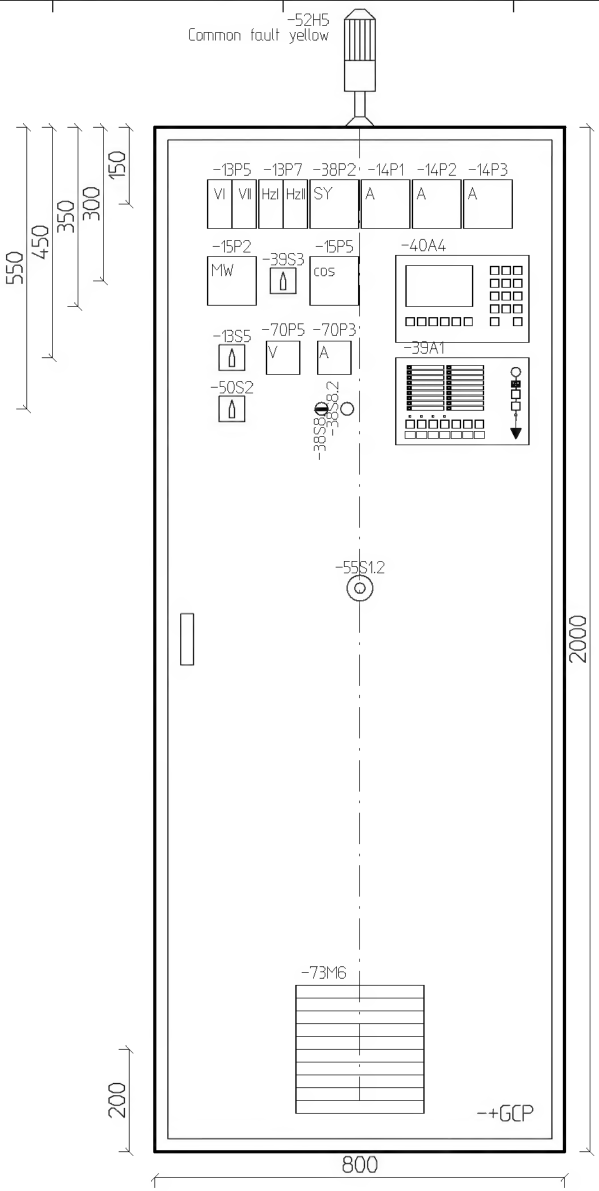


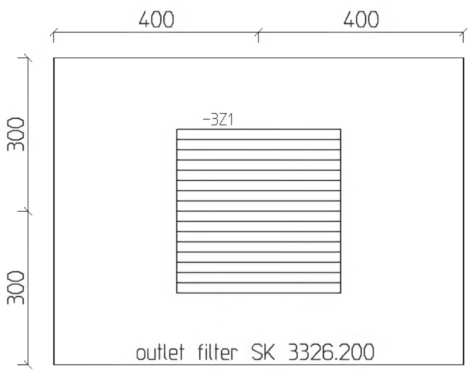
-40A4	LCD display motor control ( )
-39A1	oper. tableau ( )
-52H5	Common fault ( )
-73M6	panel fan (SK 3325)
-13P5	double v. gen./ bus bar (92x92)
-13P7	double f. gen./ bus bar (92x92)
-14P1	ammeter 0-300A L1 (92x92)
-14P2	ammeter 0-300A L2 (92x92)
-14P3	ammeter 0-300A L3 (92x92)
-15P5	generator powerfactor (92x92)
-38P2	synchronoscope and locking relay (92x92)
-70P5	battery voltmeter (92x92)
-70P3	battery ammeter (92x92)
-13S5	voltmeter selector switch (Ø22,5)
-38S8.1	selecting switch synchronizer (Ø22,5)
-38S8.2	manual synchr. push button (Ø22,5)
-50S2	operat.pre-select 0-1-2 (Ø22,5)
-55S1.2	emergency stop (Ø22,5)
-39S3	speed adjusting (only synch.) (Ø22,5)

panel	: TS8206.600
colour	: RAL 7032
cable enntry	: bottom
protec. degree	: IP 42
standard	: EN 60 439 Part 1: 2000
roof	: permanent mounting

Bildbeschreibung
IMAGE DESCRIPTION

Panel front view

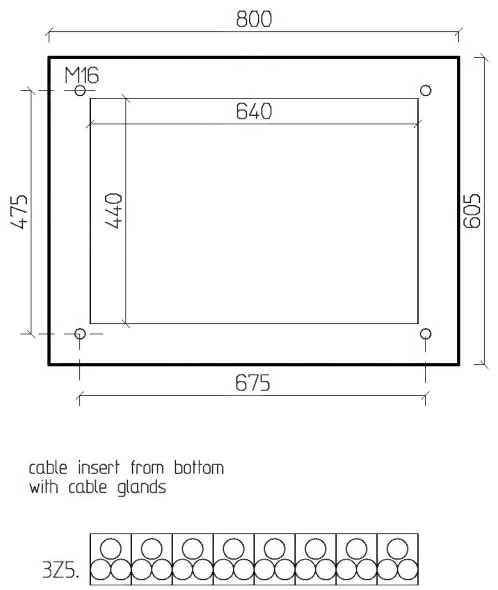
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501 / =DPP +GCPCU1
				Desig.	A. Stellmann				
				Check	A. Stellmann				43730 / 437300 / page 1
Index	changing	Date	name	Norm	33	Orig.	Ersf.	Ers.d. 11.09.03	76 BL



Bildbeschreibung
IMAGE DESCRIPTION

Top view

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP +GCPCU1
			Desig.	A. Stellmann					
			Check	A. Stellmann			Generator control panel Cummins 1	43730	437300	page 2
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03		76 BL



cable insert from bottom
with cable glands

-3Z6.1
cable inserting for 8 cable glands

-3Z6.2
Cable gland 3x21

-3Z6.3
Cable gland 3x21

-3Z6.4
Cable gland 3x21

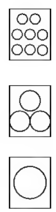
-3Z6.5
Cable gland 3x21

-3Z6.6
Cable gland Ø 3x21

-3Z6.7
Cable gland Ø 3x21

-3Z6.8
Cable gland Ø 3x21

-3Z6.9
Cable gland Ø 3x21



Cable gland Ø 8x13mm

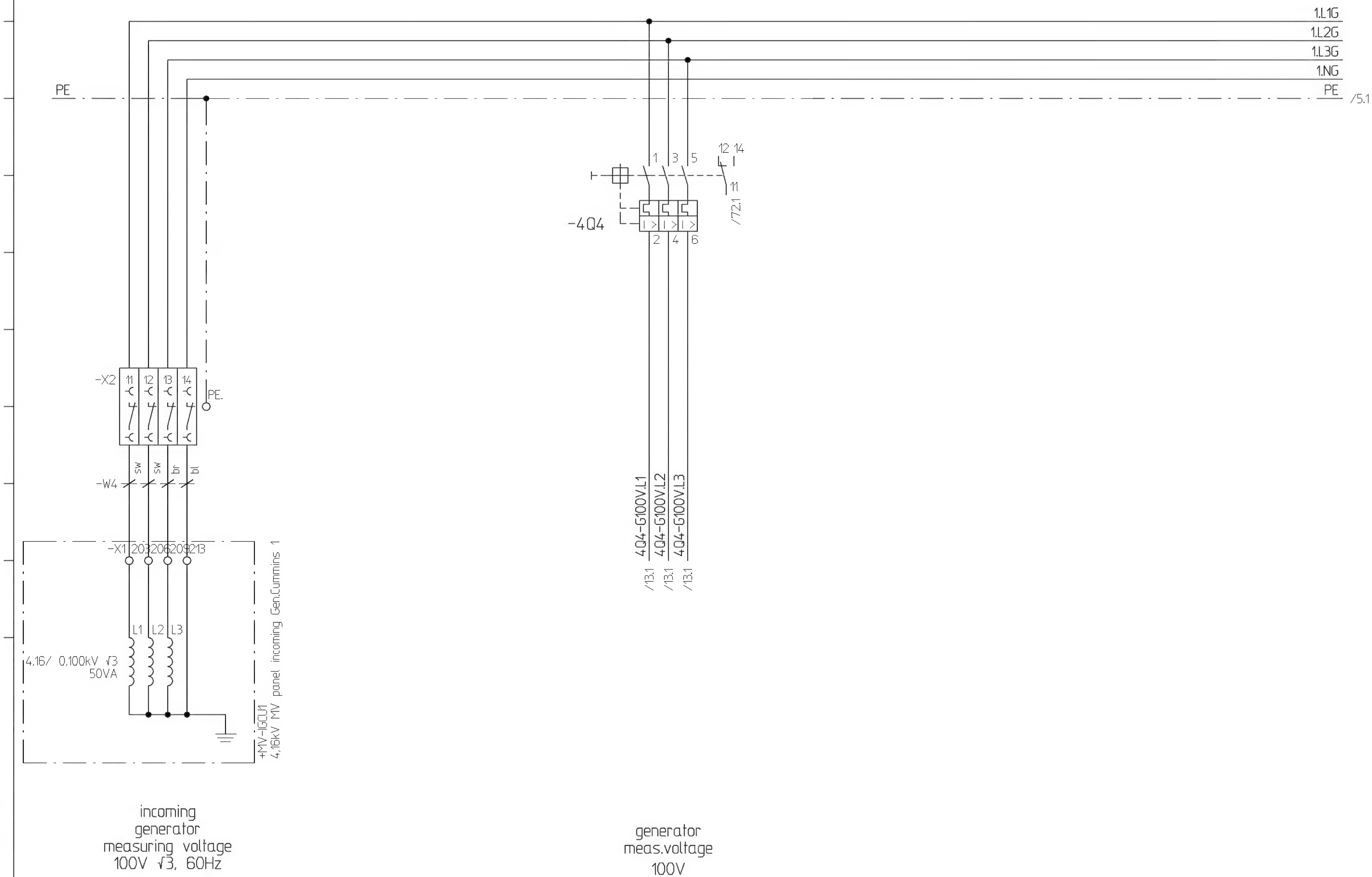
Cable gland Ø 3x21mm

Cable gland Ø 1x47mm

Bildbeschreibung
IMAGE DESCRIPTION

Bottom view

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 3
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



Bildbeschreibung
IMAGE DESCRIPTION

generator voltage 4,16kV/100V √3, 60Hz

Index	changing	Date	name	Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | Ersd. 11.09.03

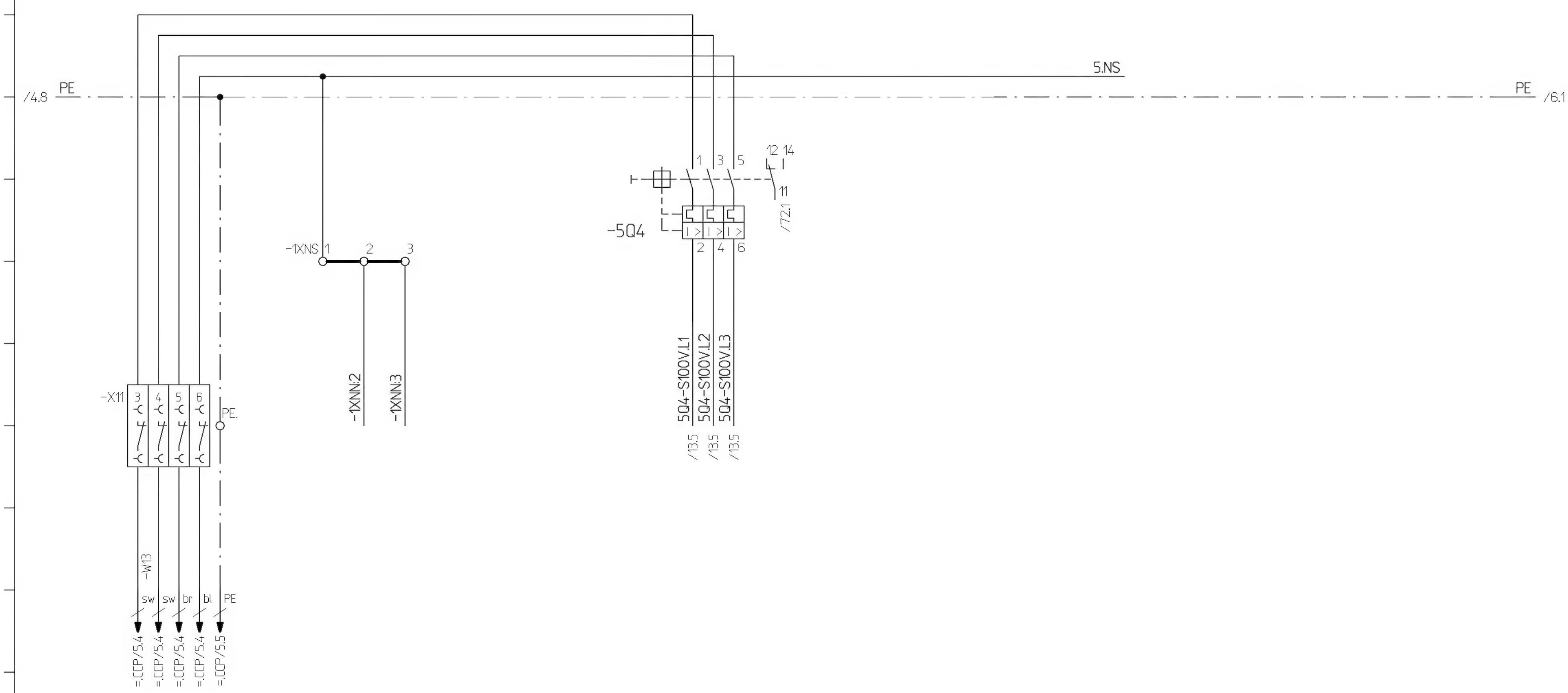
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



incoming supply
busbar voltage
measurement voltage
4,16kV/100V √3, 60Hz
from +CCP

Bildbeschreibung
IMAGE DESCRIPTION
busbar voltage 4,16kV/100V√3,60Hz

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

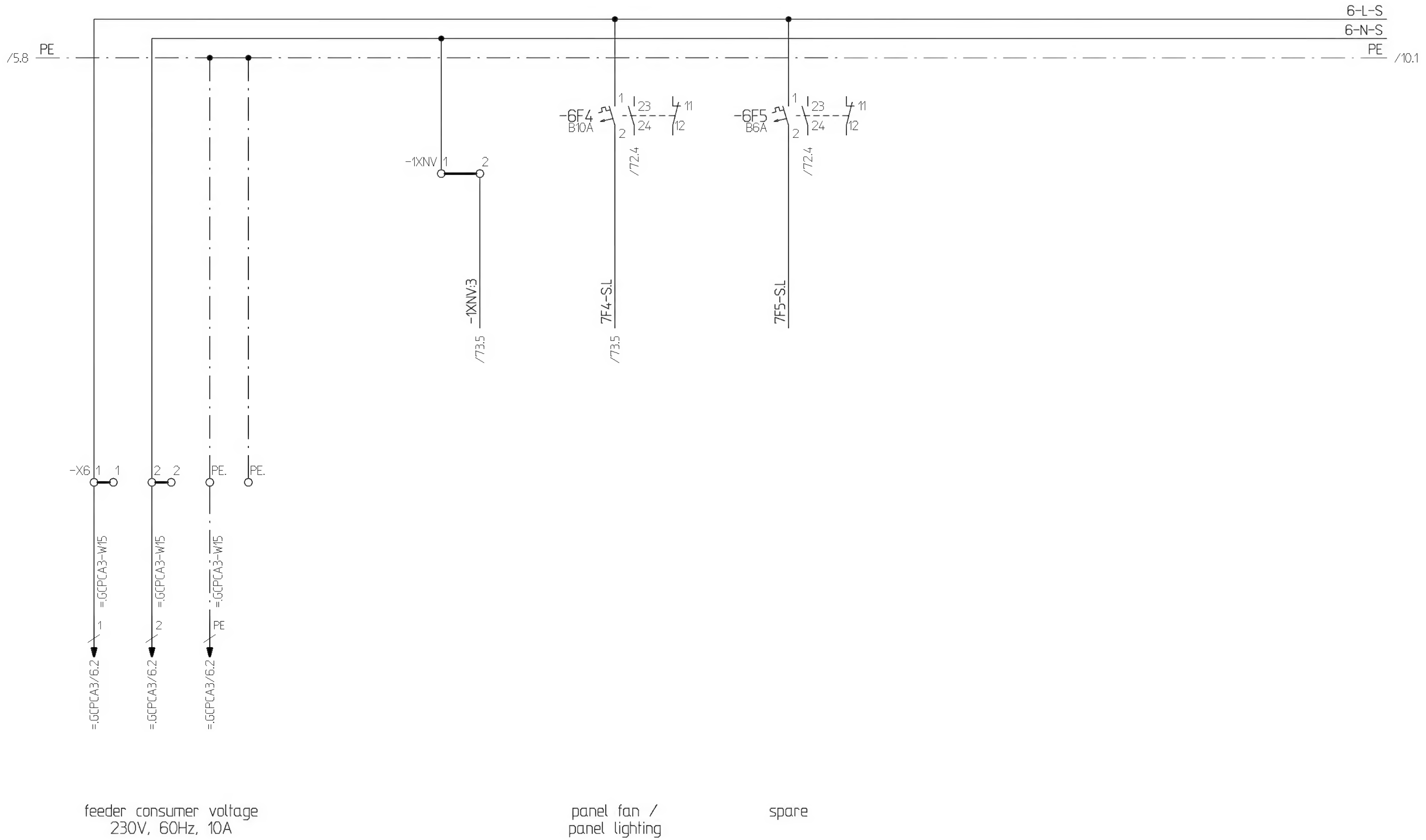
Orig. Ers.f. Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

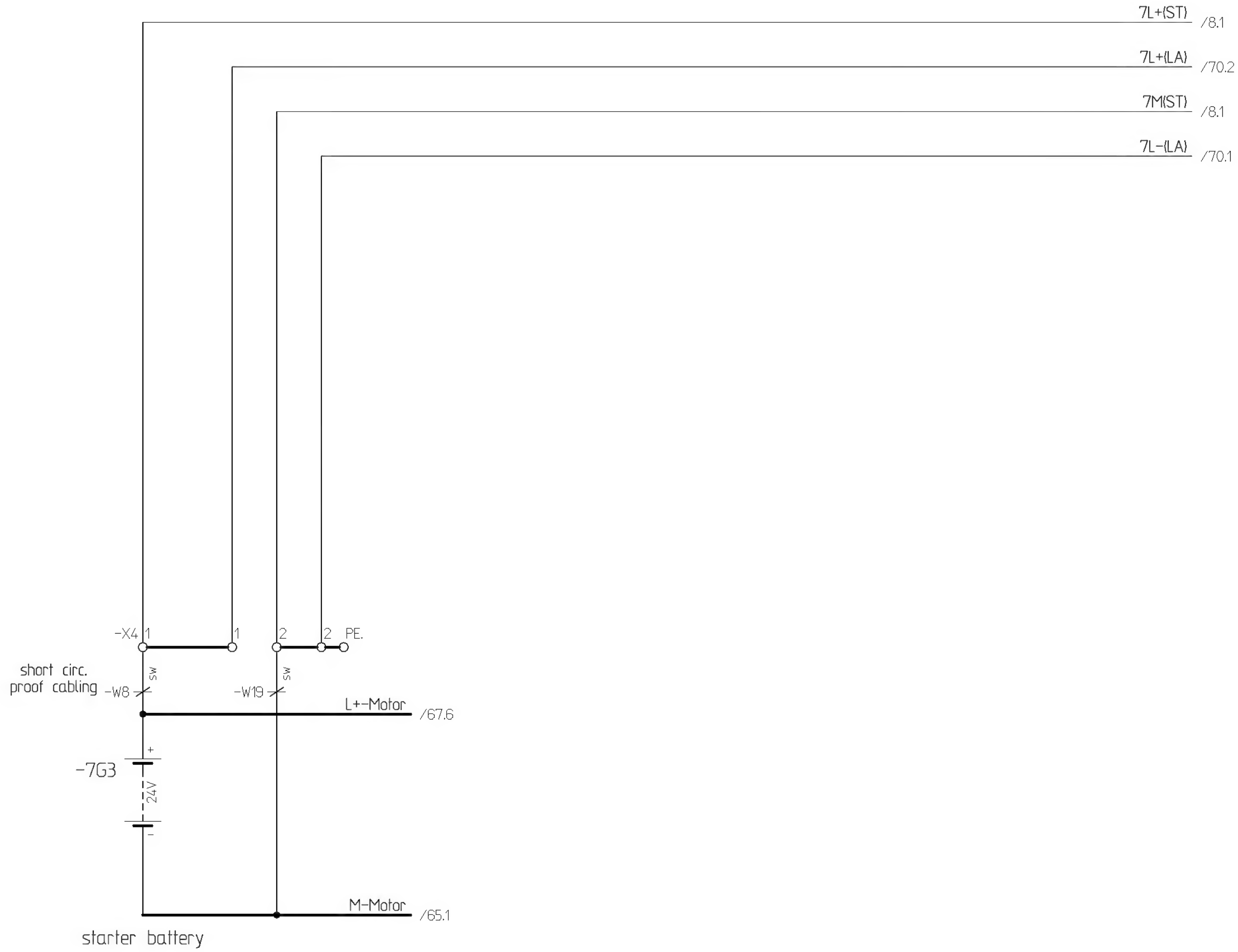
4500005501
43730
437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: consumer voltage 230V, 60Hz

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
			Desig.	A. Stellmann					
			Check	A. Stellmann					
Index	changing	Date	name	Norm 33	Orig. / Ersf.	Ers.d. 11.09.03		43730 / 437300	page 6 / 76 BL

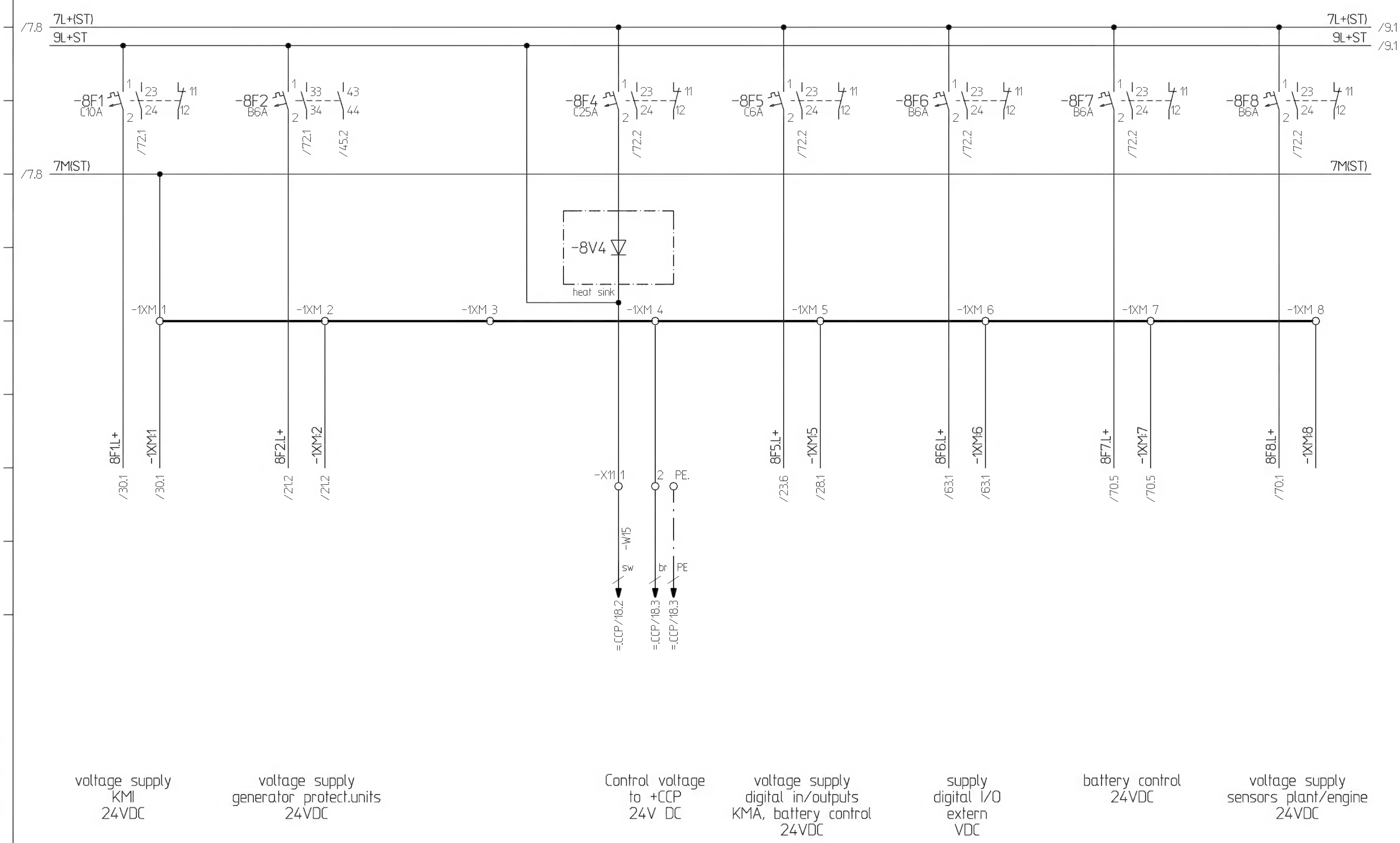


Bildbeschreibung IMAGE DESCRIPTION

24V DC supply

Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1	
Desig.	A. Stellmann						
Check	A. Stellmann				43730	437300	page 7
Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03				76 BL

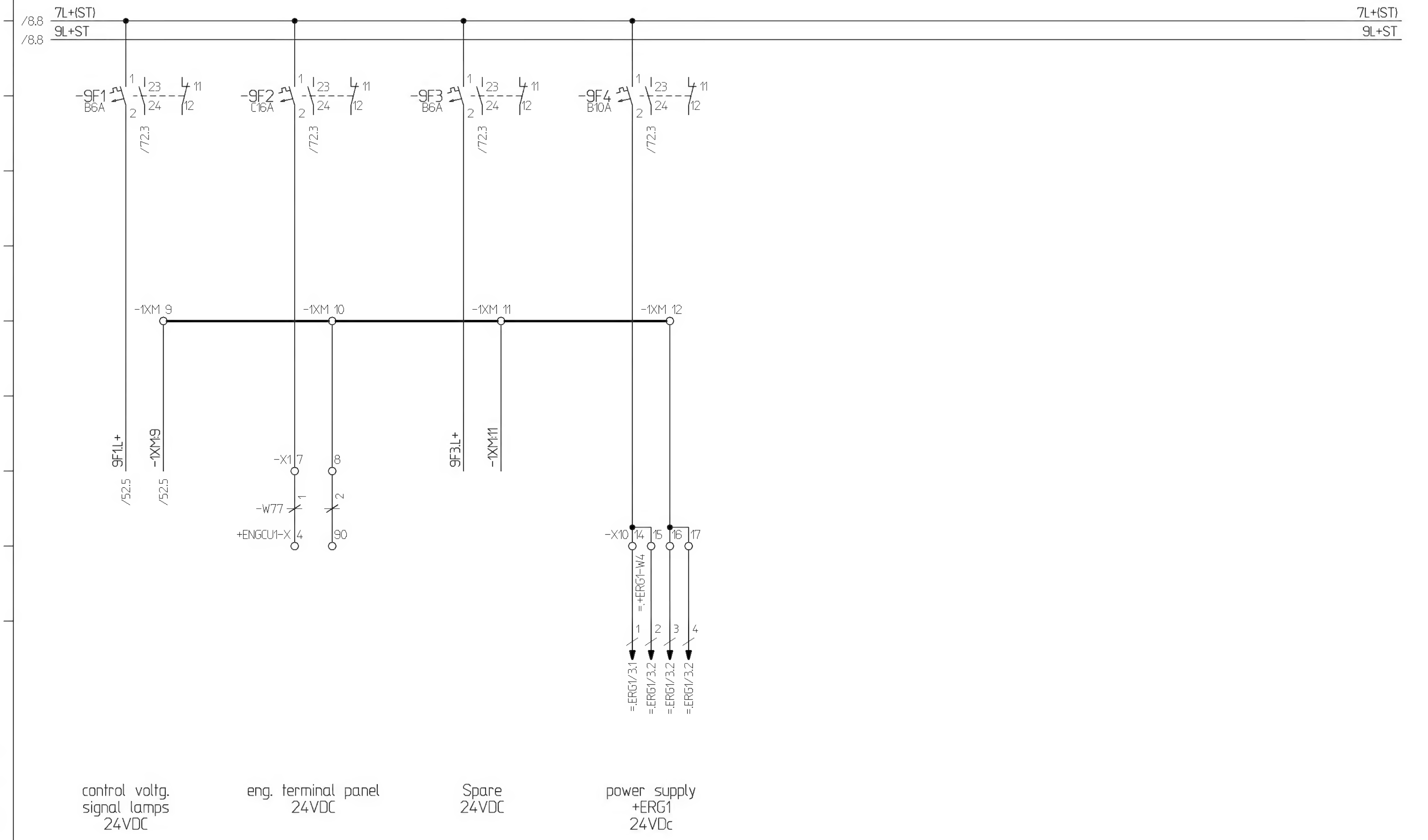
Index	changing	Date	name



Bildbeschreibung
IMAGE DESCRIPTION

24VDC voltage feeders

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
			Desig.	A. Stellmann					
			Check	A. Stellmann					
Index	changing	Date	name	Norm 33	Orig. / Ers.f.	Ers.d. 11.09.03		43730 / 437300	page 8 / 76 BL



Bildbeschreibung
IMAGE DESCRIPTION

24VDC voltage feeders

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
			Desig.	A. Stellmann					
			Check	A. Stellmann				43730	437300
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03	page 9 / 76 BL



feeder
consumer voltage
440V, 60Hz, max.20A

Bildbeschreibung
IMAGE DESCRIPTION

consumer voltage 440V, 60Hz

Index	changing	Date	name								
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1	
				Desig.	A. Stellmann				43730	437300	page 10
				Check	A. Stellmann	Orig.	Ers.f.	Ers.d. 11.09.03			76 BL
				Norm	33						

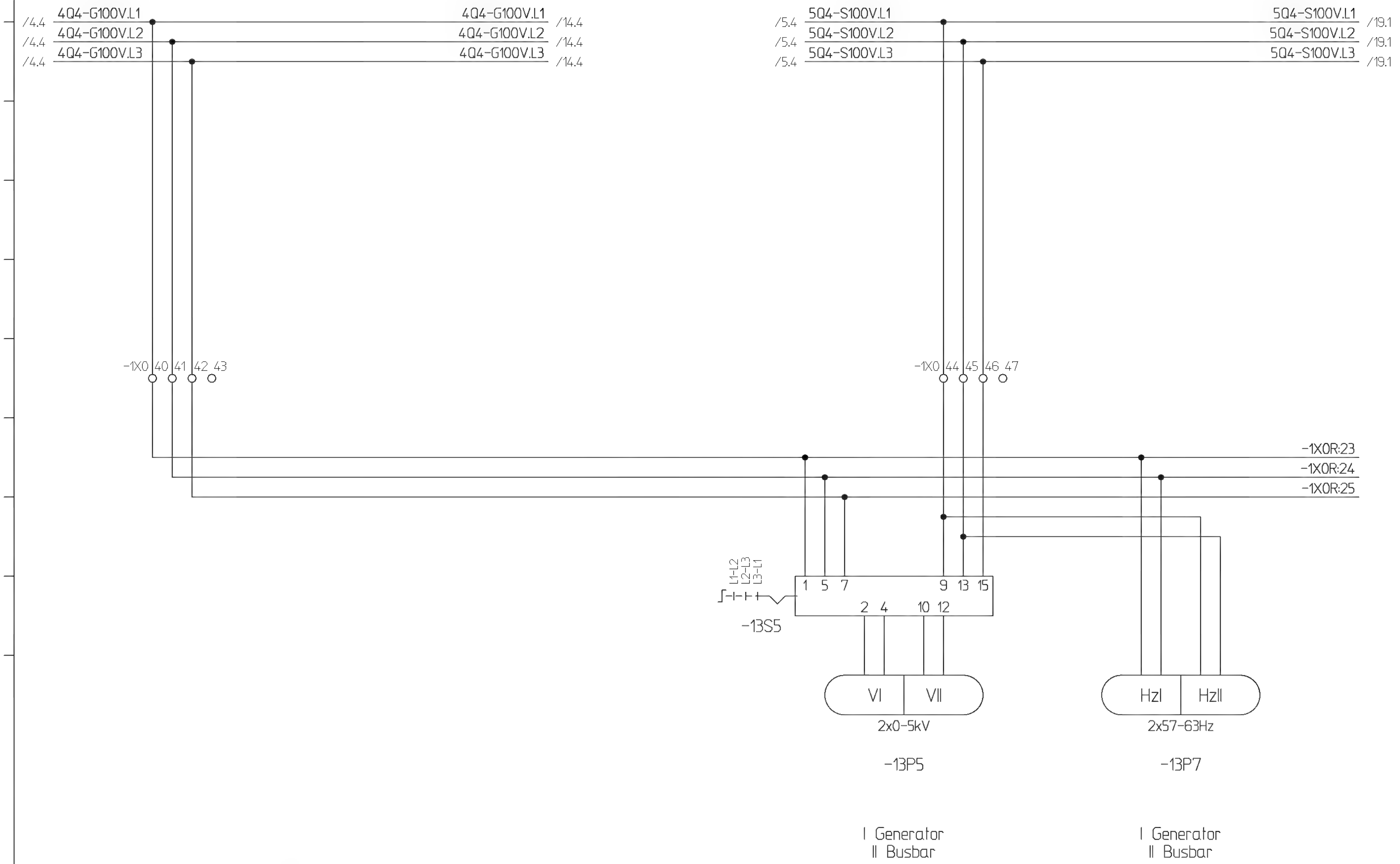
Bildbeschreibung
IMAGE DESCRIPTION
spare

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 11
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 Bl.

Bildbeschreibung
IMAGE DESCRIPTION

spare

				Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730	437300
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



Bildbeschreibung
IMAGE DESCRIPTION

generator-voltage measuring

				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
Index	changing	Date	name	Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

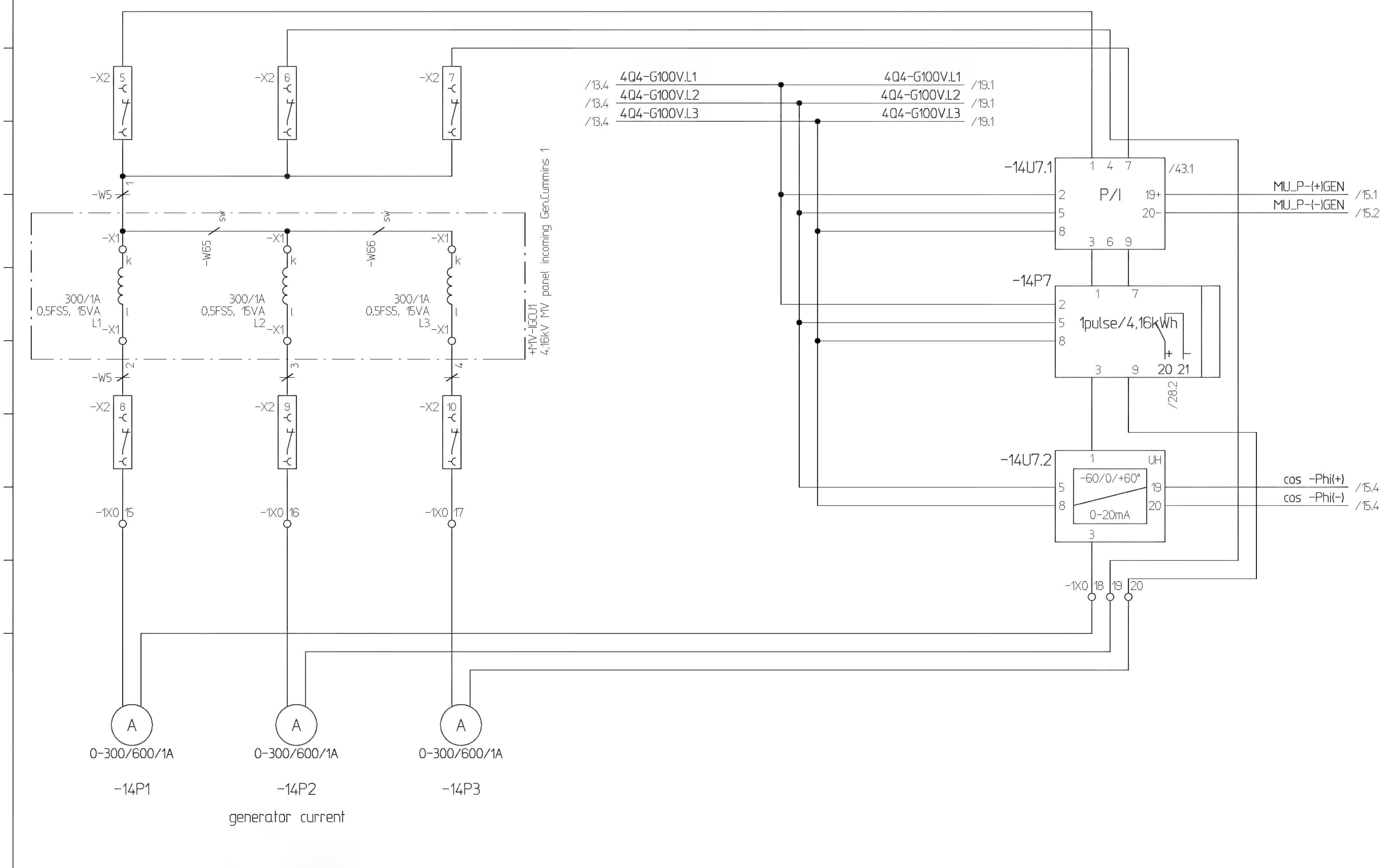
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: generator-current measuring

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d.	11.09.03

Date: 08.07.03
Desig.: A. Stellmann
Check: A. Stellmann

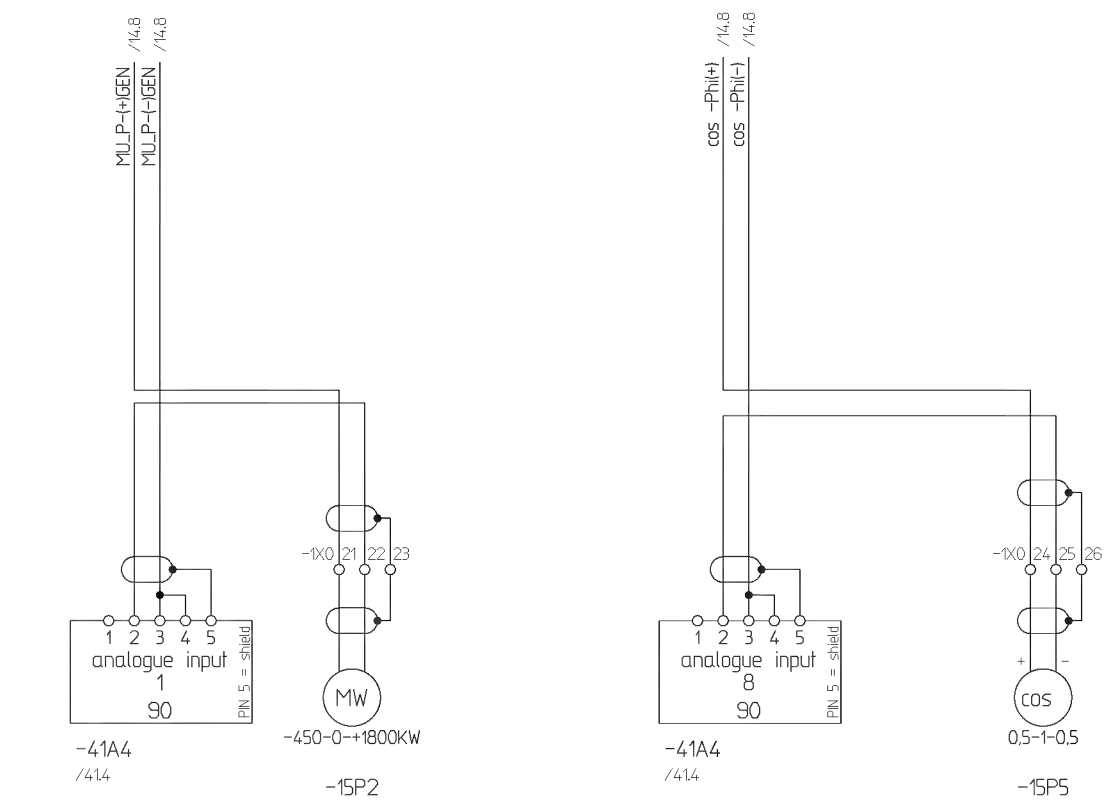
Elektrim-MEGADEX
Monde Energy Philippines

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501
43730
437300

=DPP
+GCPCU1



generator powerfactor
0-20mA = -0,5-0-+0,5

generator active power
0-4-20mA / -450/0/+1800kW

generator powerfactor
0-20mA / -60°-0-+60°

Bildbeschreibung IMAGE DESCRIPTION: generator-active power measuring

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1

Bildbeschreibung
IMAGE DESCRIPTION
spare

Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann					
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03	Generator control panel Cummins 1	43730 / 437300	page 16 / 76 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name						
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501
				Desig.	A. Stellmann				=DPP +GCPCU1
				Check	A. Stellmann				43730 · 437300
				Norm	33	Orig. · Ers.f.	Ers.d. 11.09.03		page 17 / 76 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name			
				Date	08.07.03	
				Desig.	A. Stellmann	
				Check	A. Stellmann	
				Norm	33	

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

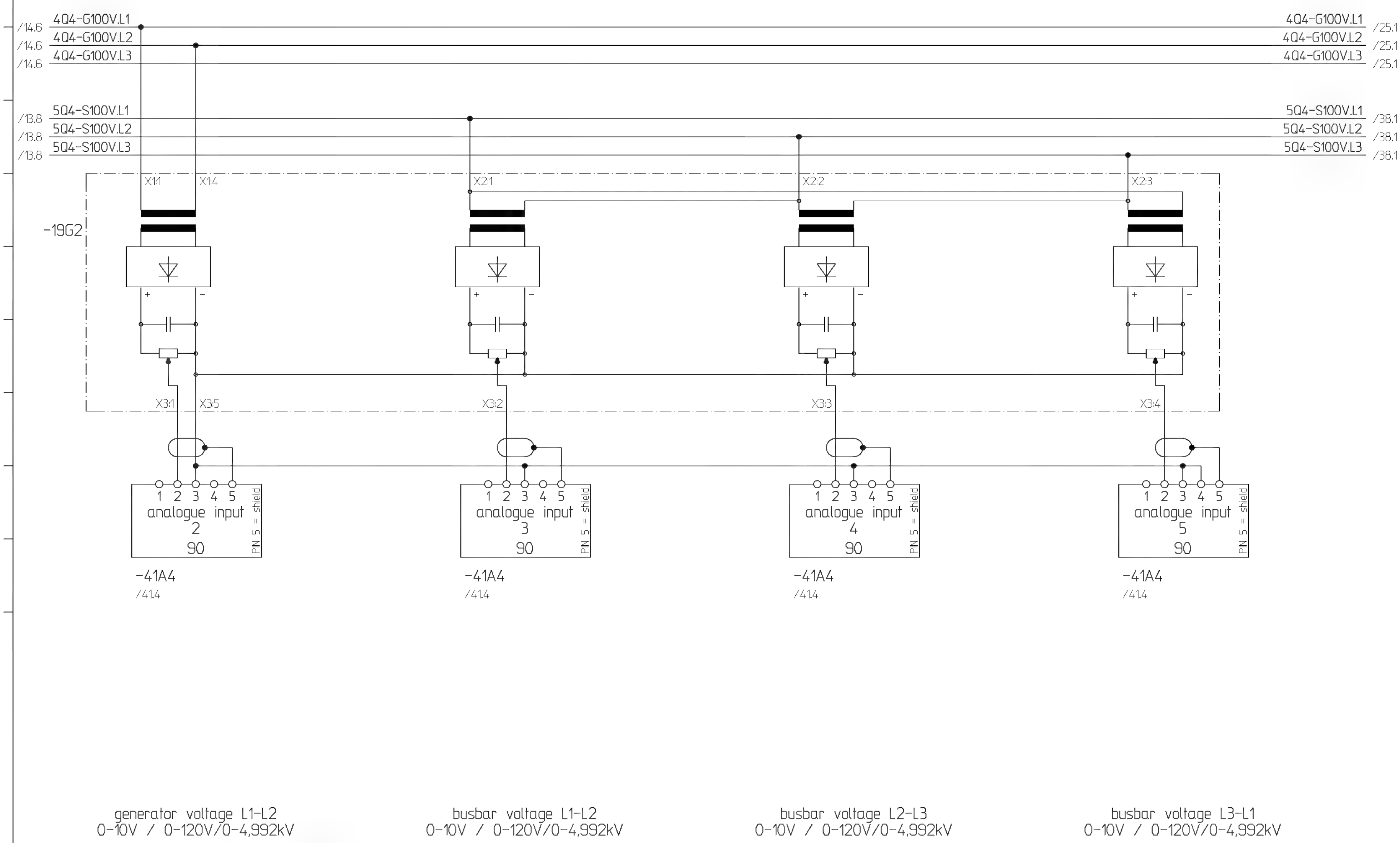
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

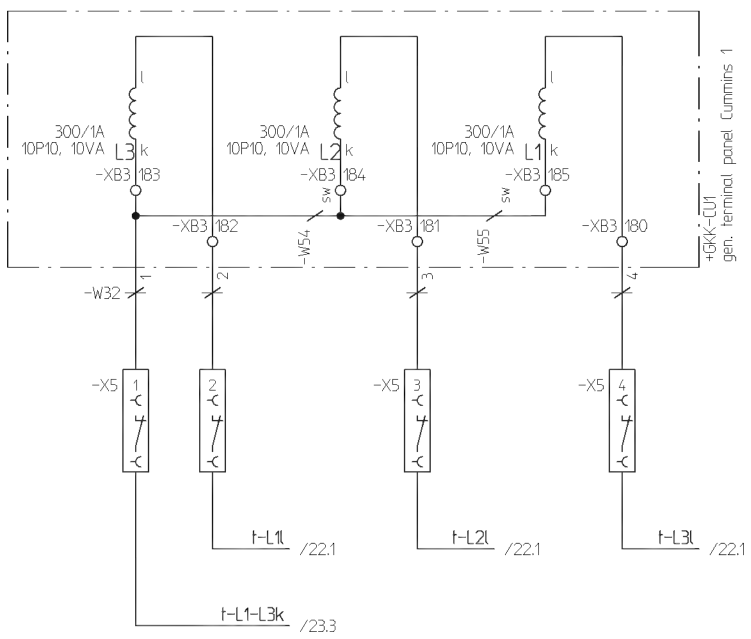
=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

Generator- busbar measuring

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 19 / 76 BL



Bildbeschreibung
IMAGE DESCRIPTION

Gen. current transformer 10P10

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

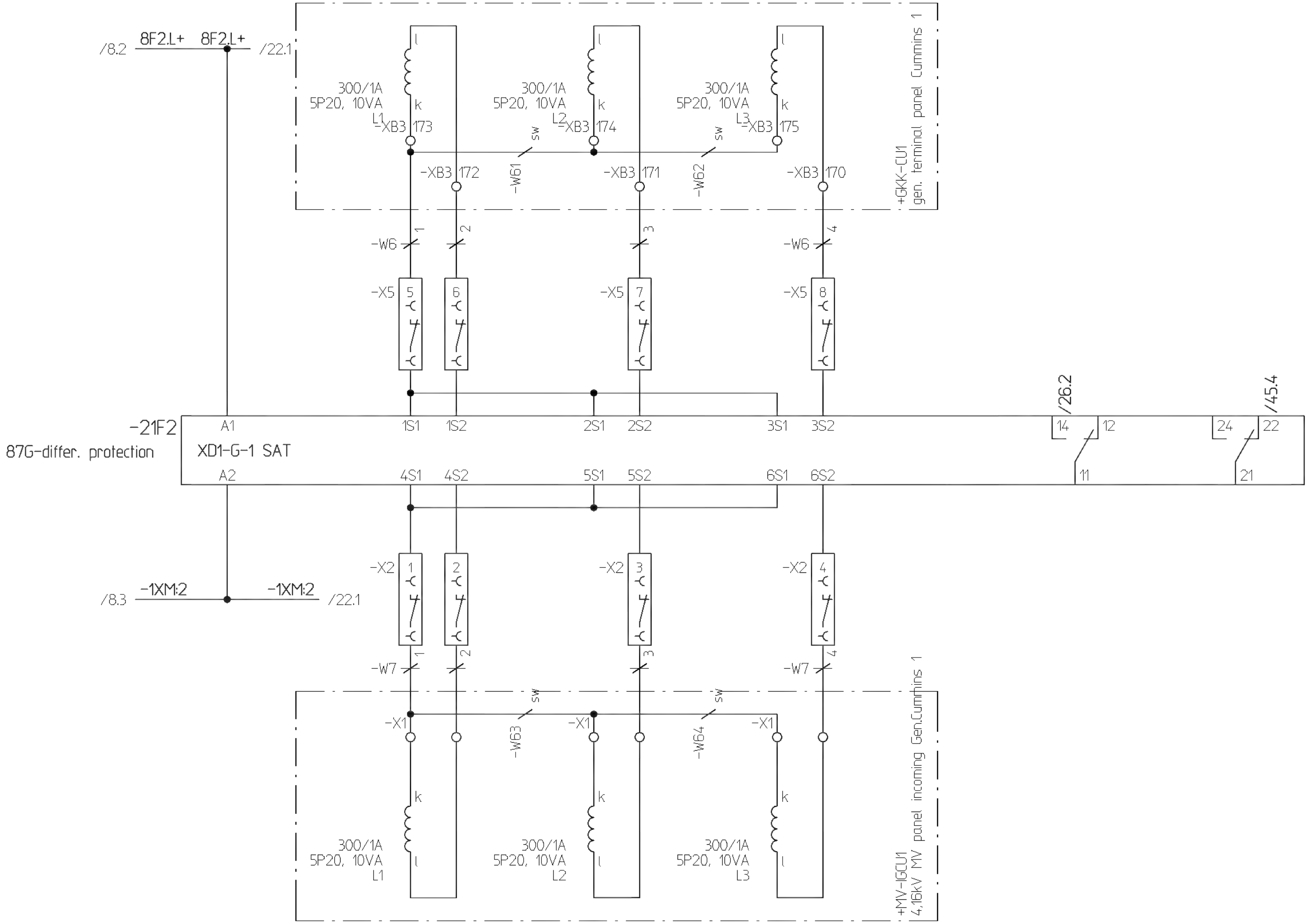
Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | KUHSE | Ers.d. 11.09.03

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501
43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: differential protect. relay (87G)

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

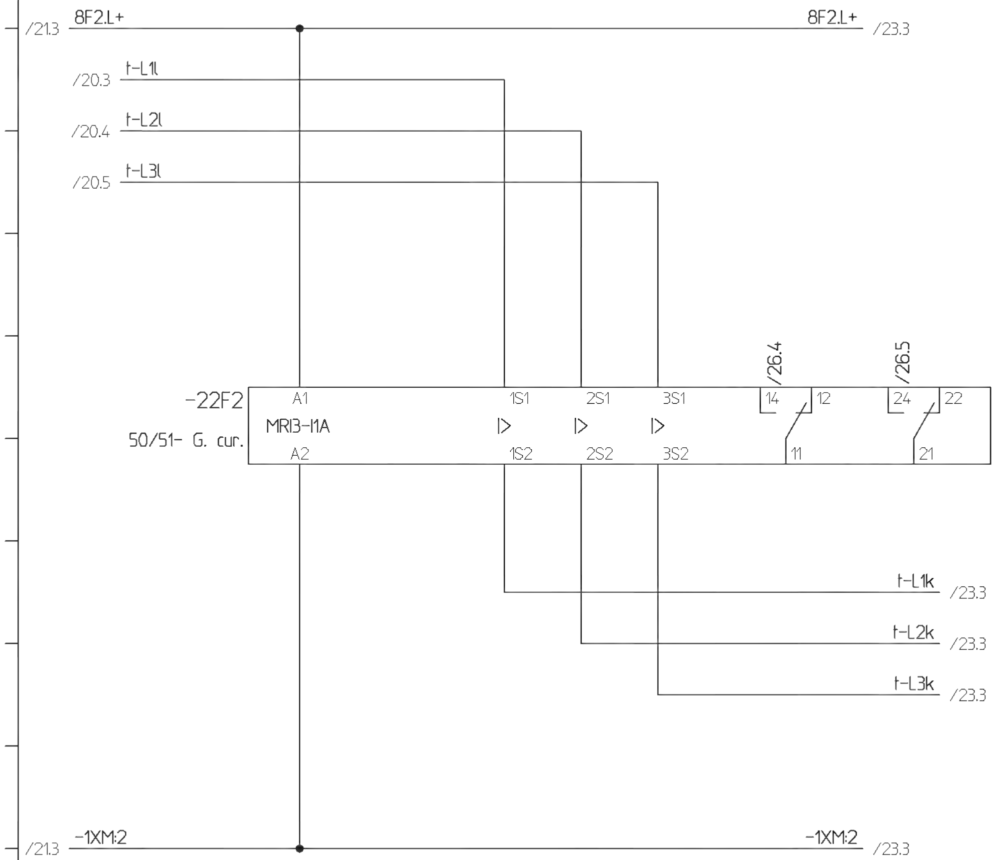
Orig. | Ersf. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501
43730 | 437300

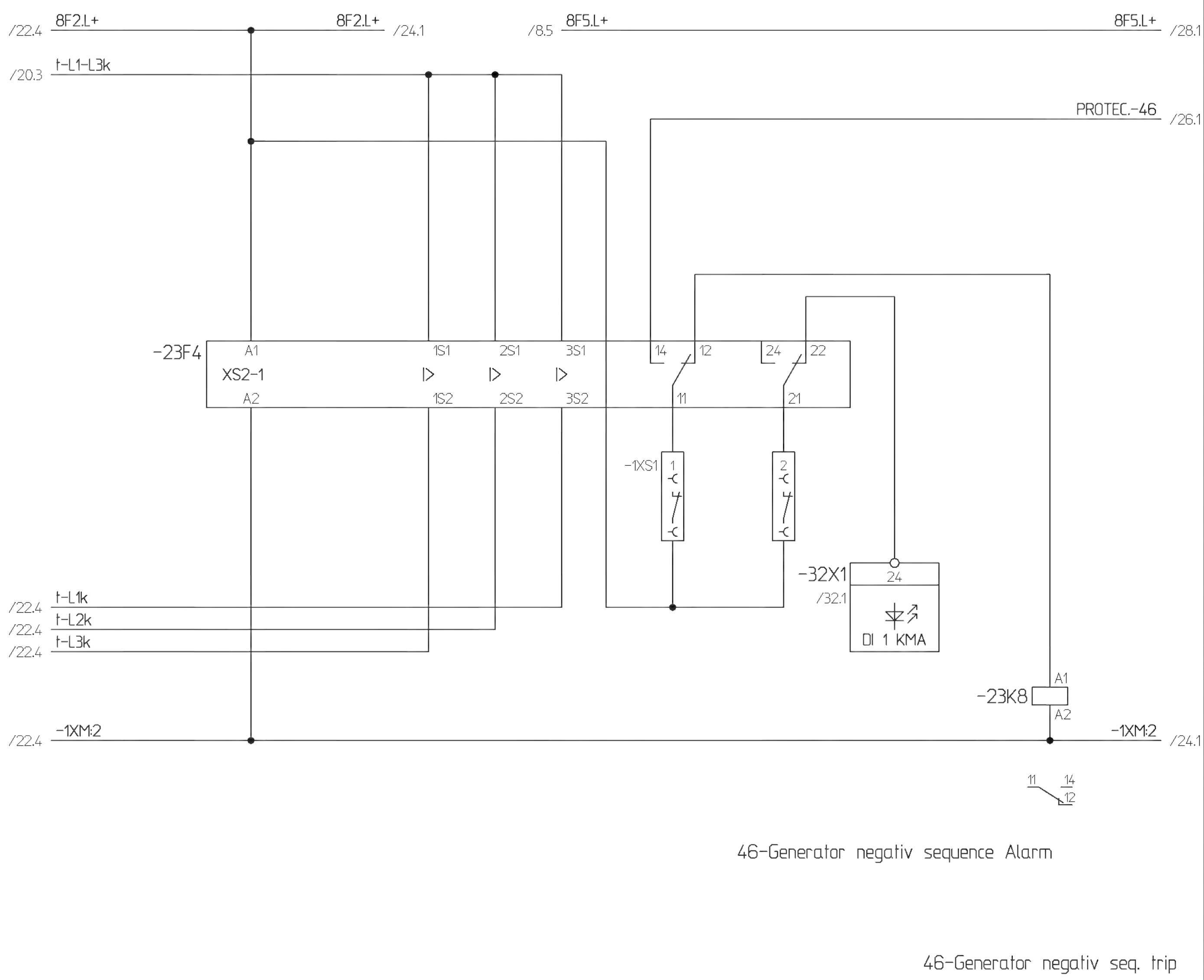
=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

Gen. overcurrent (50),short circuit (51)

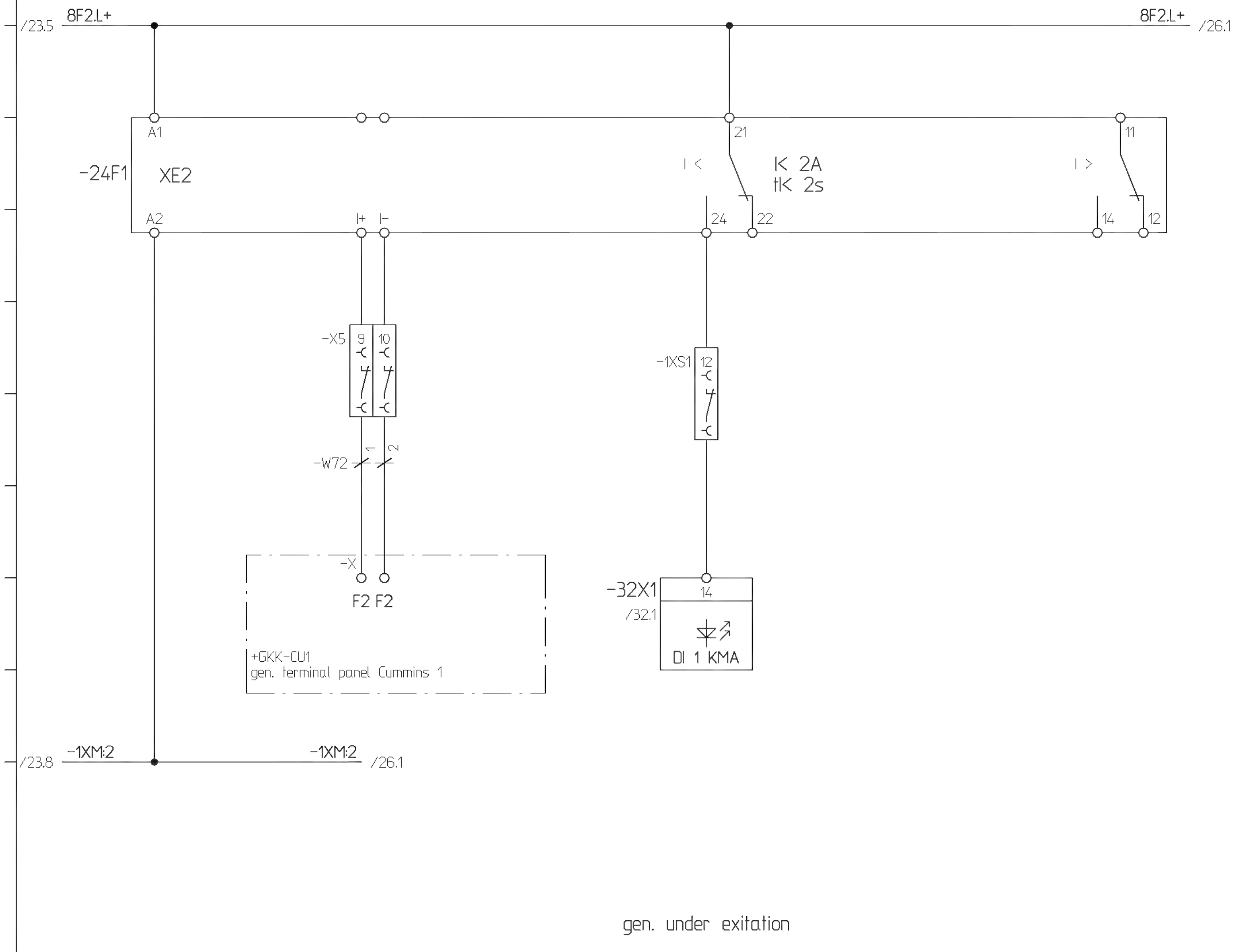
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP
				Desig.	A. Stellmann					+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 22
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



Bildbeschreibung
IMAGE DESCRIPTION

Generator negativ seq. protection (46)

Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 23
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



Bildbeschreibung IMAGE DESCRIPTION: Generator excitation protection

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03
				Date	08.07.03			
				Desig.	A. Stellmann			
				Check	A. Stellmann			

Elektrim-MEGADEX
Monde Energy Philippines

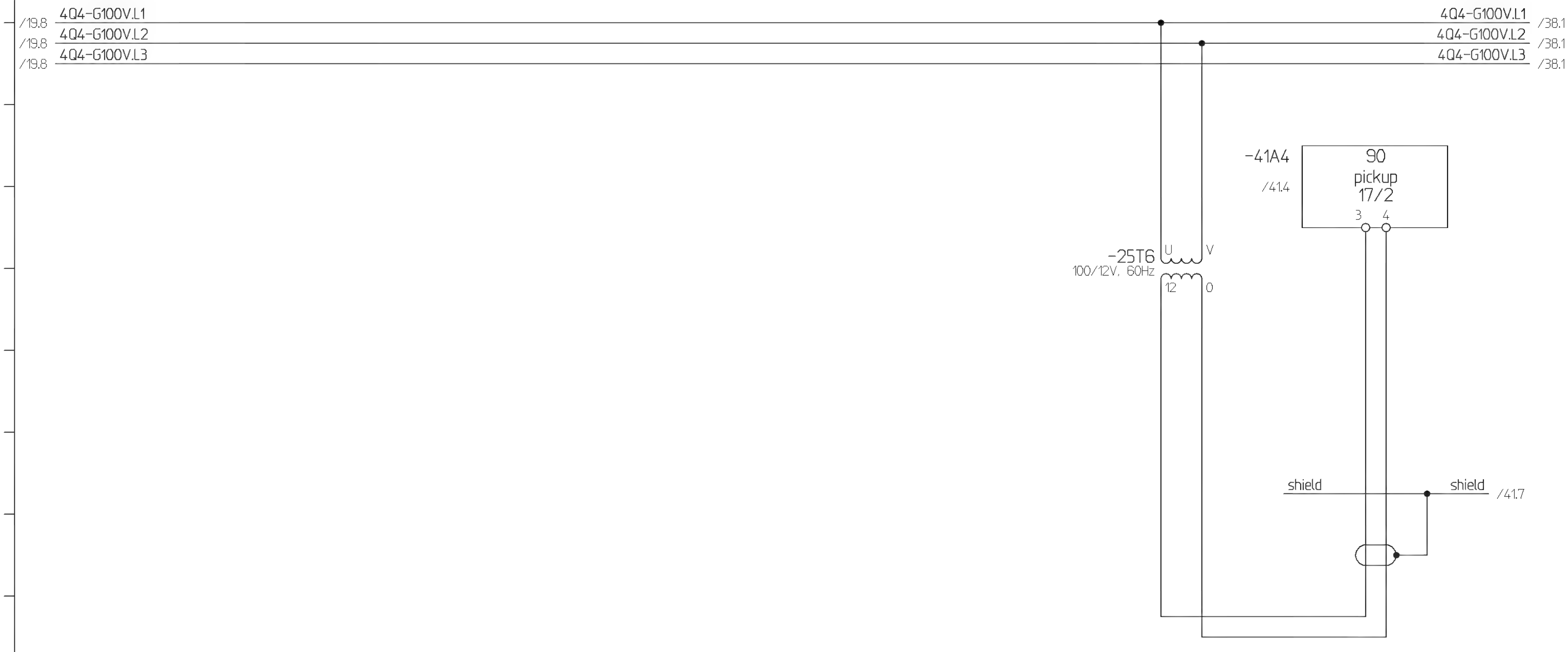
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

Generator frequency protection

Index	changing	Date	name	Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

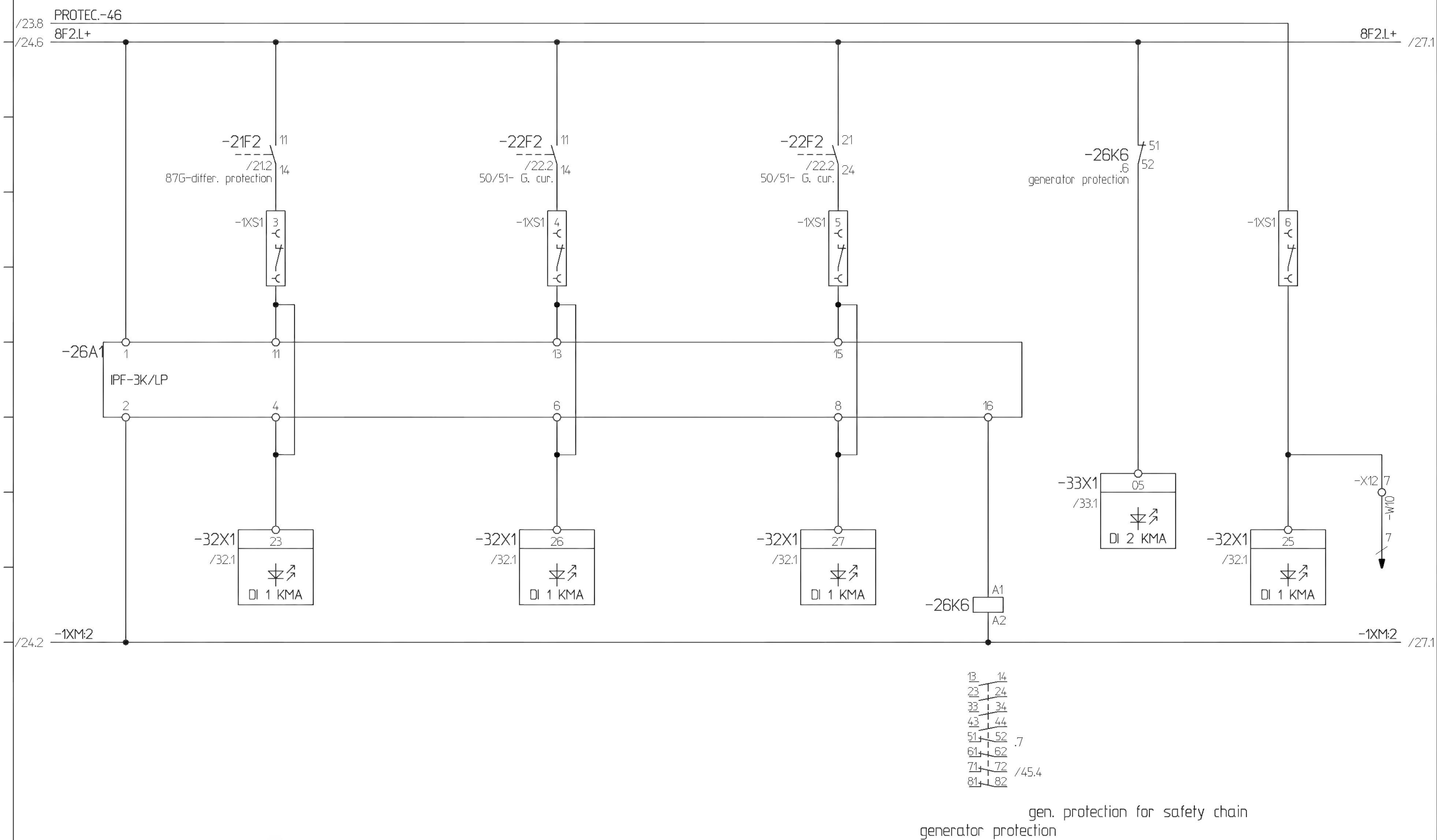
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

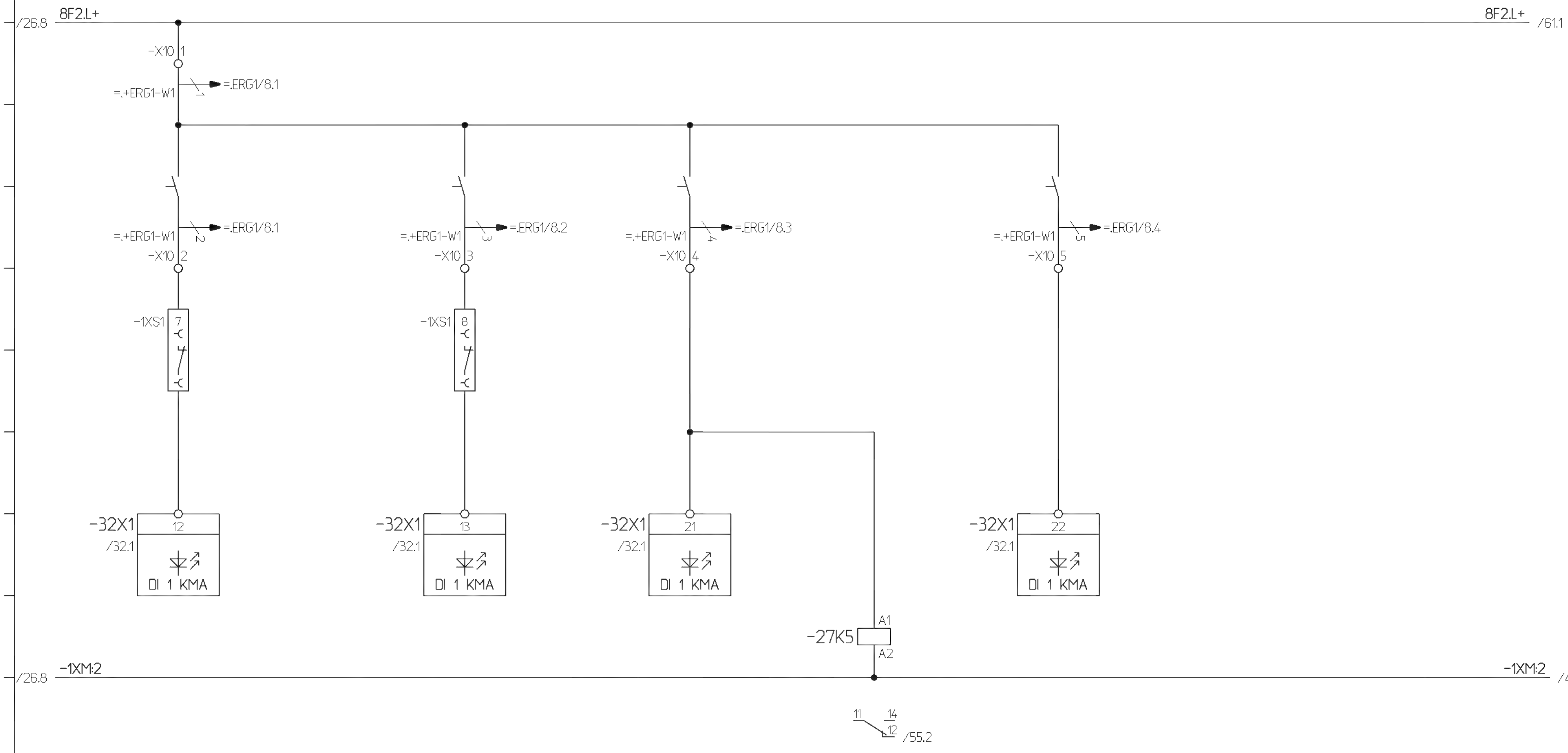
=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

Signals from protection relay

Index	changing	Date	name						
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501 / =DPP +GCPCU1
				Desig.	A. Stellmann				
				Check	A. Stellmann				
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03	43730	437300

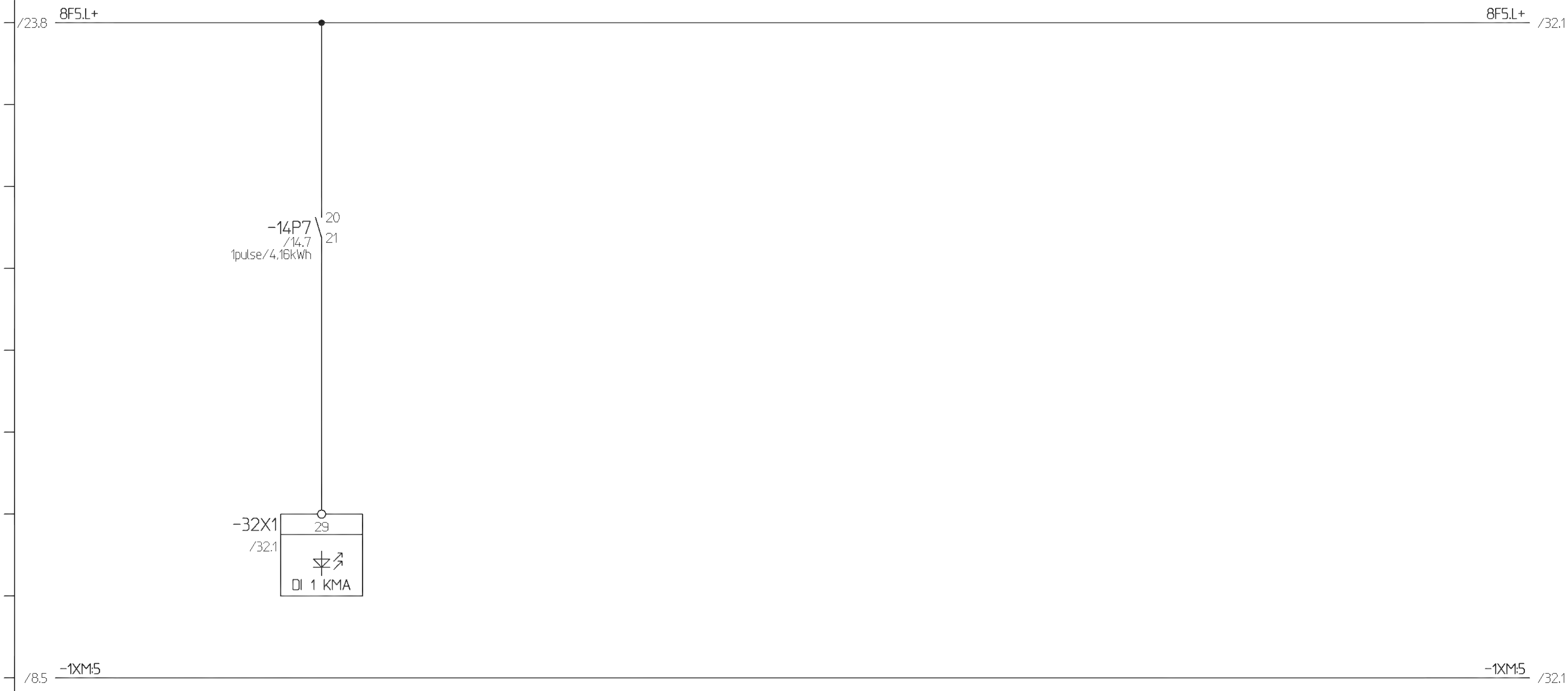


gen. earth leackage current alarm | gen. earth leackage current trip | panel door open +ERG1 | panel door open +ERG1 | m.c.b. tripped +ERG1

Bildbeschreibung
IMAGE DESCRIPTION

signals neutral earth. panel +ERG1

			Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
			Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
			Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 27
Index	changing	Date	name	Norm 33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



1 pulse/ 4,16kWh

Bildbeschreibung IMAGE DESCRIPTION: Kwh counter

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03	Generator control panel Cummins 1	43730	437300	page 28 / 76 BL
				Date	08.07.03	Elektrim-MEGADEX		KUHSE	DPP 5(7) Syn.	4500005501		=DPP
				Desig.	A. Stellmann	Monde Energy Philippines			MST 5"/10"PC			+GCPCU1
				Check	A. Stellmann							

Bildbeschreibung
IMAGE DESCRIPTION
spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. Ers.f. Ers.d. 11.09.03

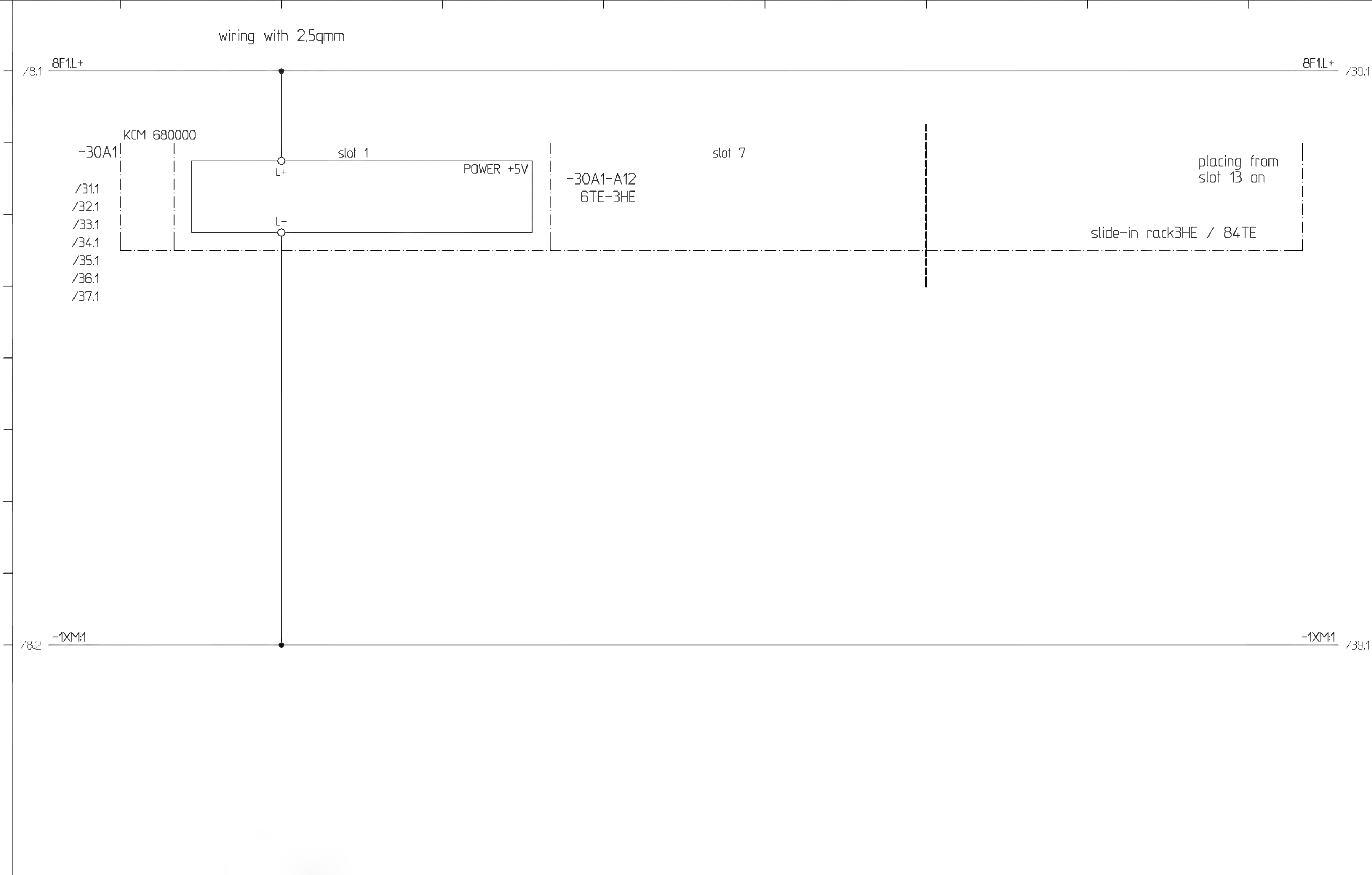
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 437300

=DPP
+GCPCU1



Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Bildbeschreibung IMAGE DESCRIPTION: MST 68000 slot 1-7, power unit

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

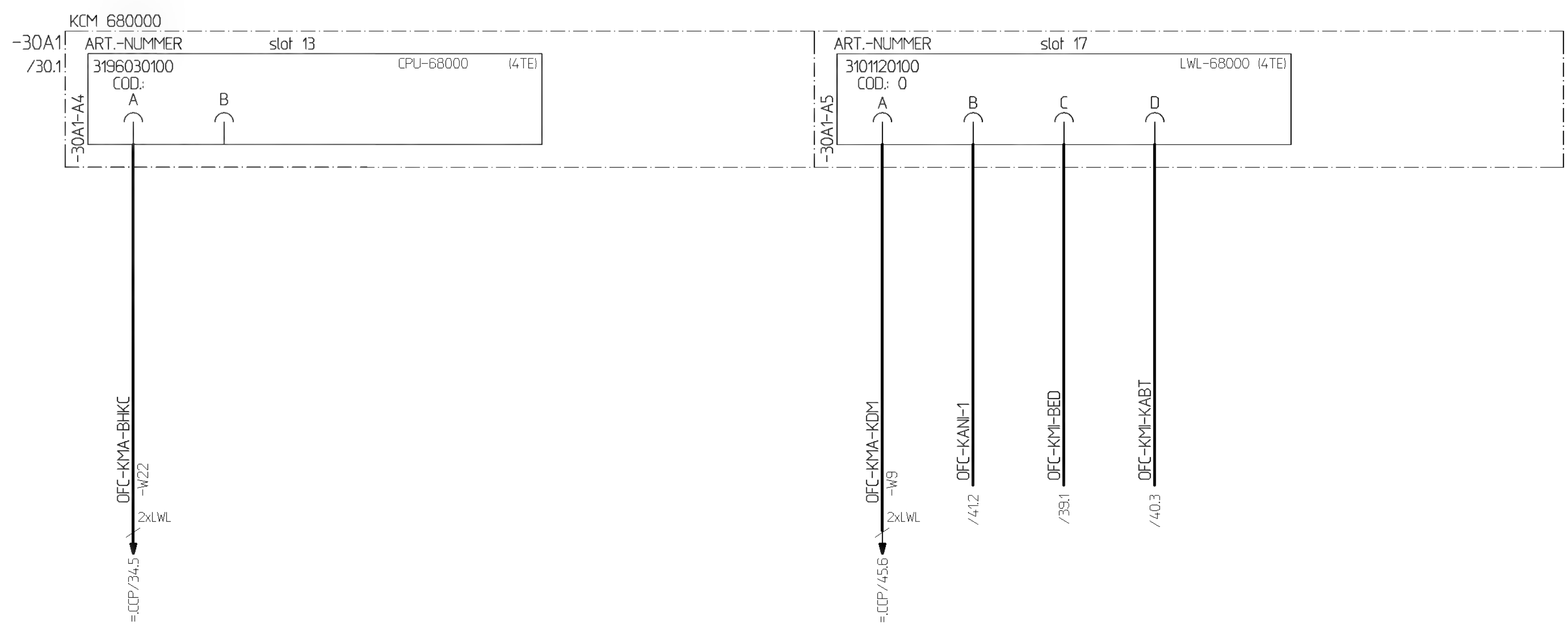
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: MST 68000 slot 13-17, CPU, OFC1

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 31 / 76 BL



Bildbeschreibung
IMAGE DESCRIPTION
MST 68000 slot 21-25, DI1, OFC2

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

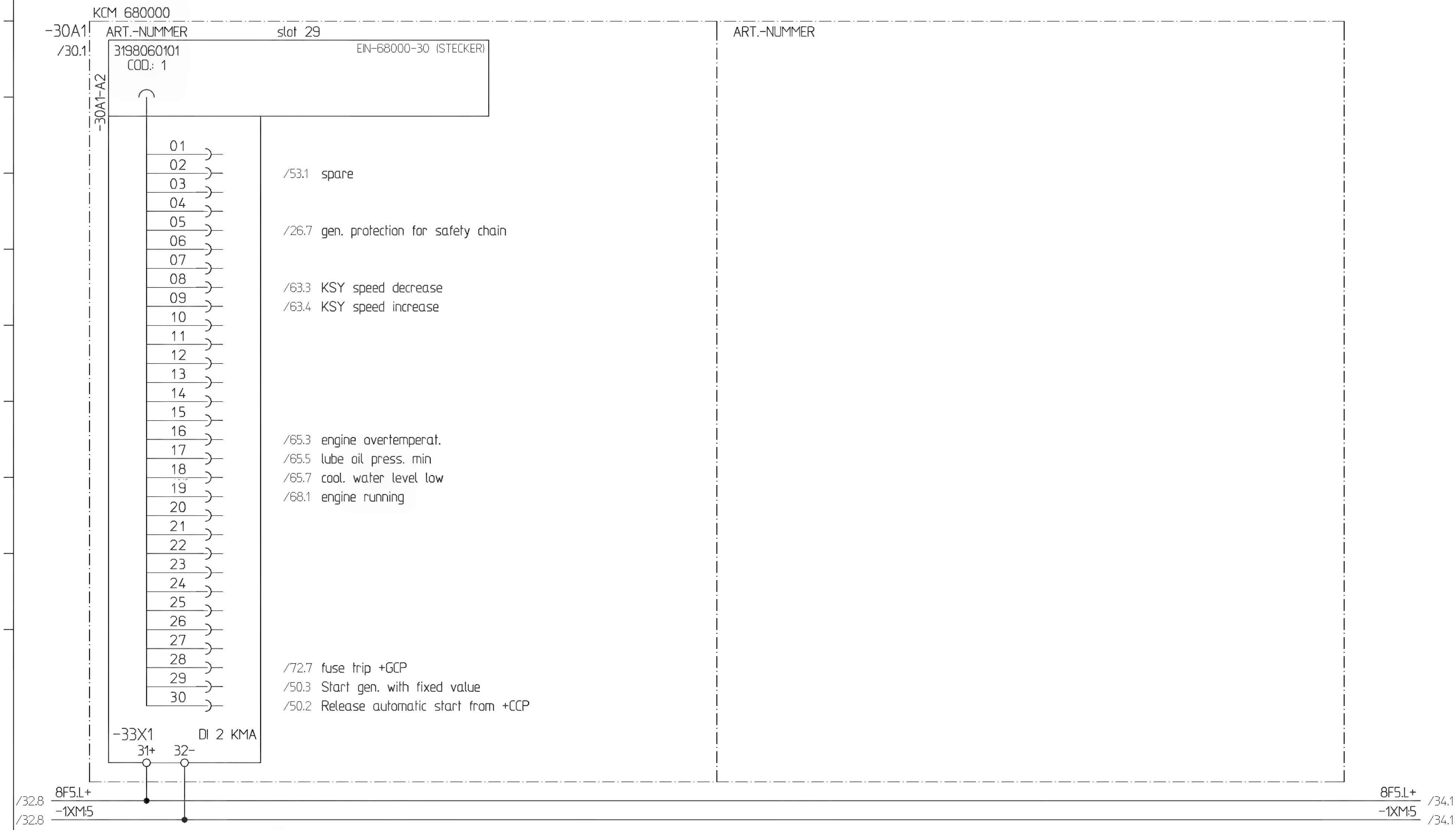
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

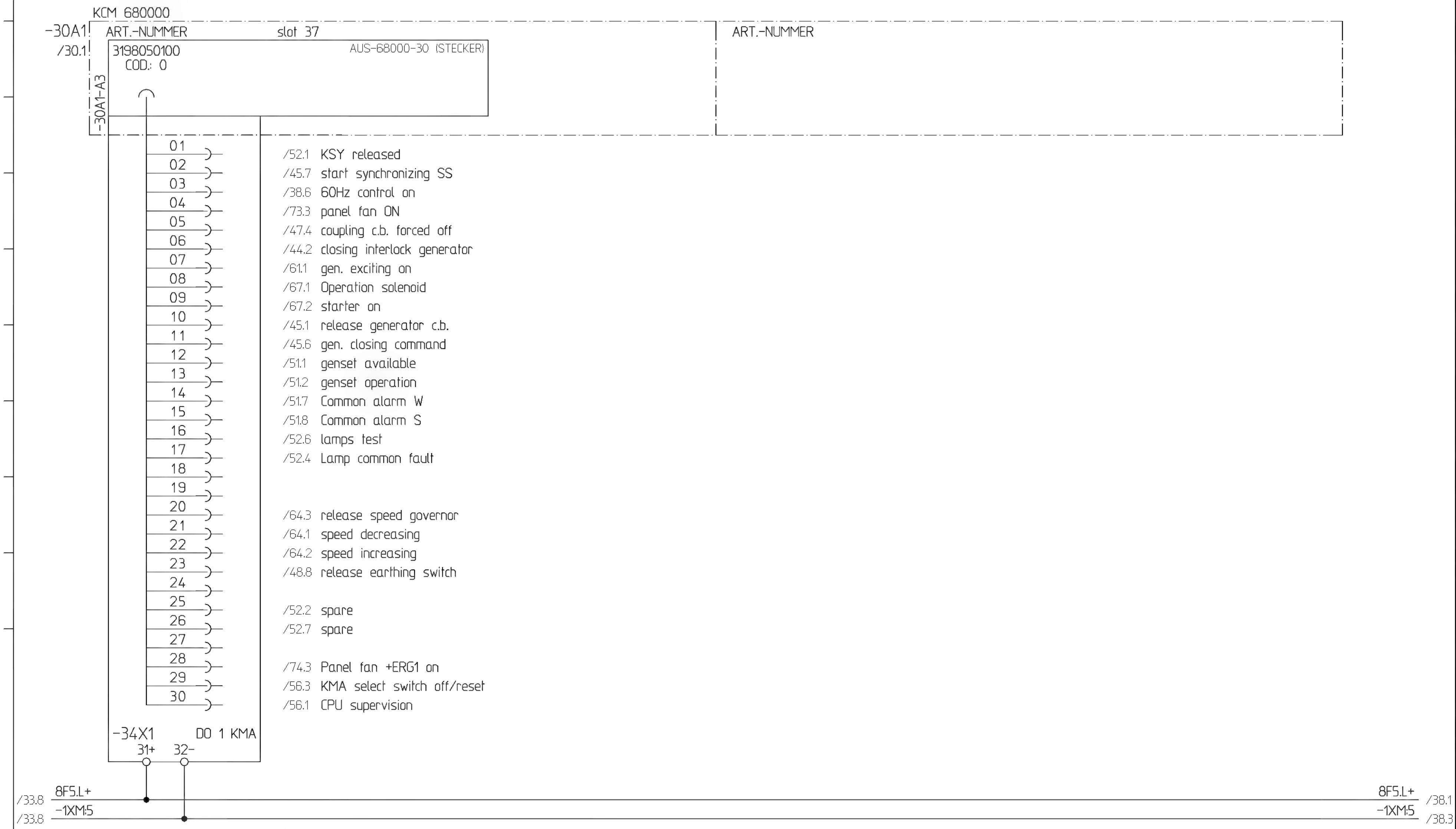
4500005501
43730
437300

=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION: MST 68000 slot 29-33, DI2

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 33 / 76 BL



Bildbeschreibung
IMAGE DESCRIPTION
MST 68000 slot 37-41, DA1

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300	page 34 76 BL
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



Bildbeschreibung
IMAGE DESCRIPTION
MST 68000 slot 45-49,

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1

-30A1 /30.1

KCM 680000

ART.-NUMMER

ART.-NUMMER

BUSENDE
STECKPLATZ 57-61

Bildbeschreibung
IMAGE DESCRIPTION

MST 68000 slot 53-57 CPU-Data

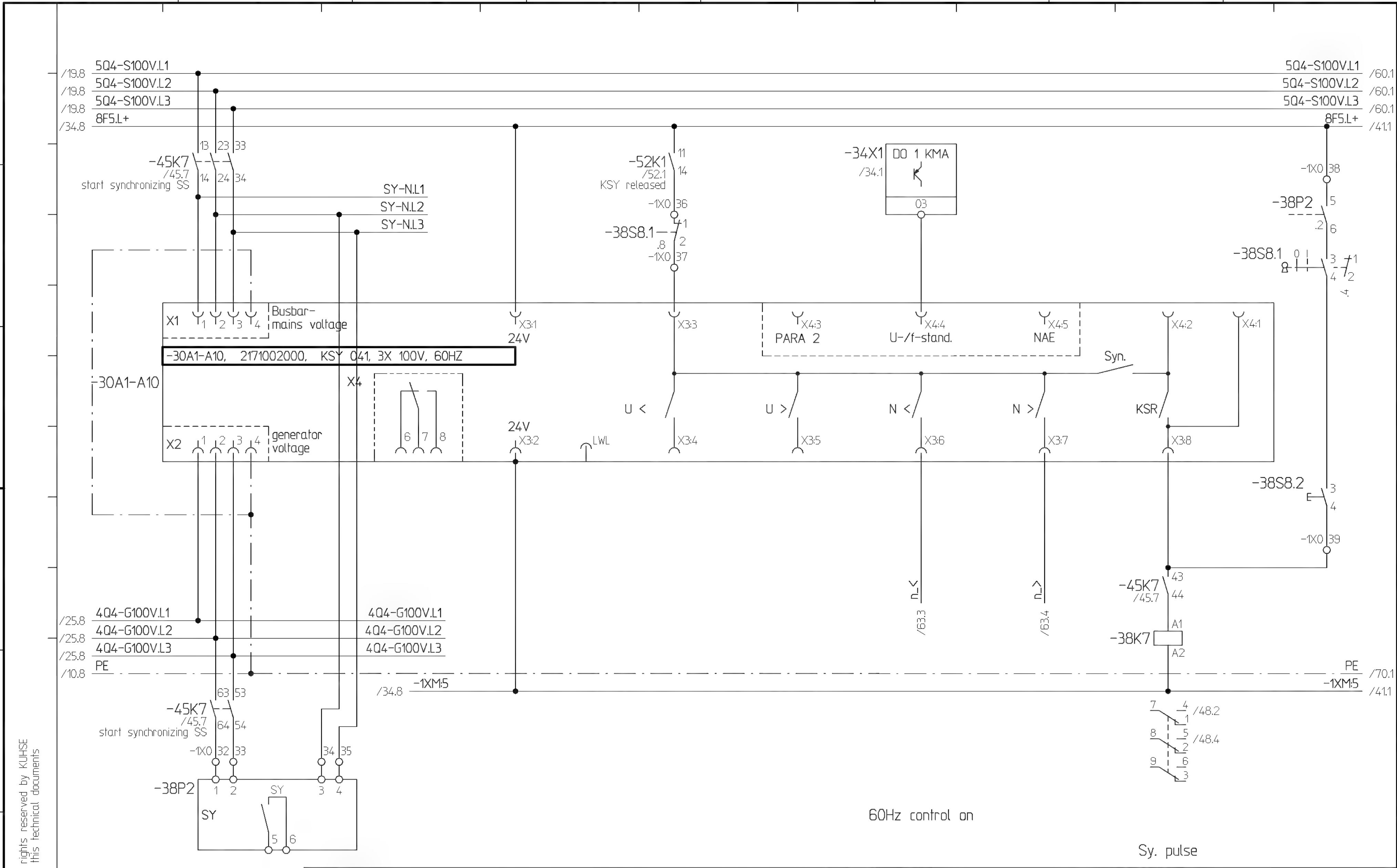
Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 36 / 76 BL

KCM 680000
-30A1 ART.-NUMMER
/30.1

ART.-NUMMER

Bildbeschreibung
IMAGE DESCRIPTION
MST 68000 slot 61-84 KSY041

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 37 / 76 BL
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



Bildbeschreibung
IMAGE DESCRIPTION

synchronizing unit KSY 41 (inside KMA)

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

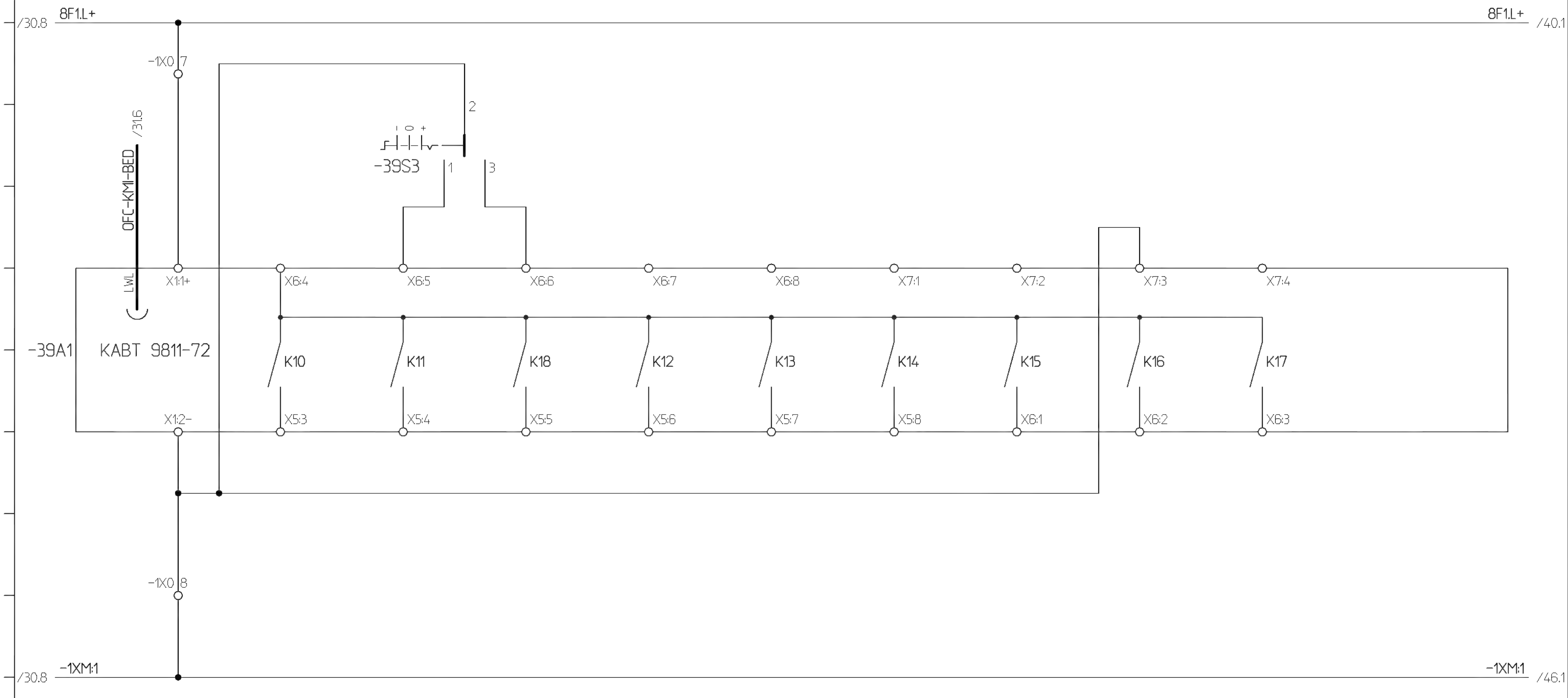
Orig. Ersf. Ersd. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

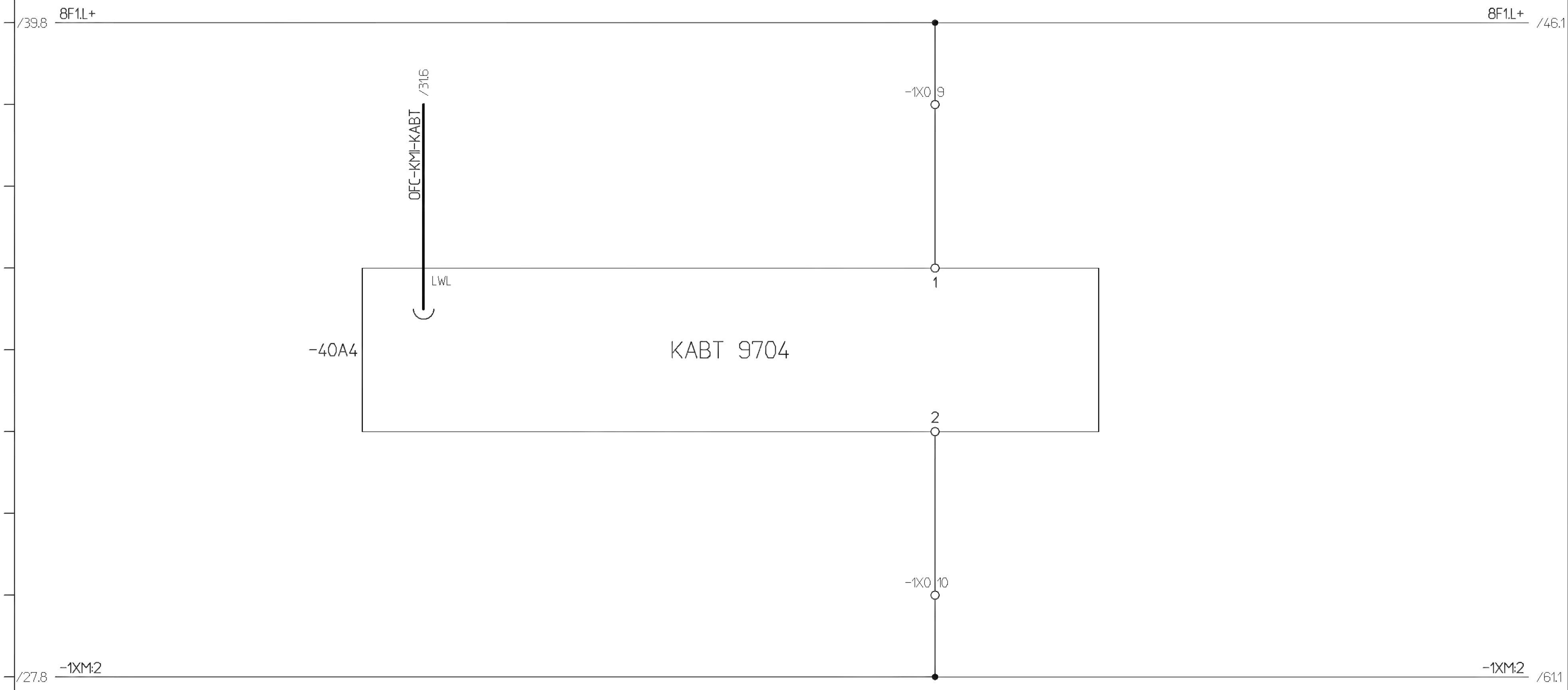
4500005501
43730
437300

=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION
control panel KABT 9811

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 39 / 76 BL



Bildbeschreibung IMAGE DESCRIPTION: Indic. tableau

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

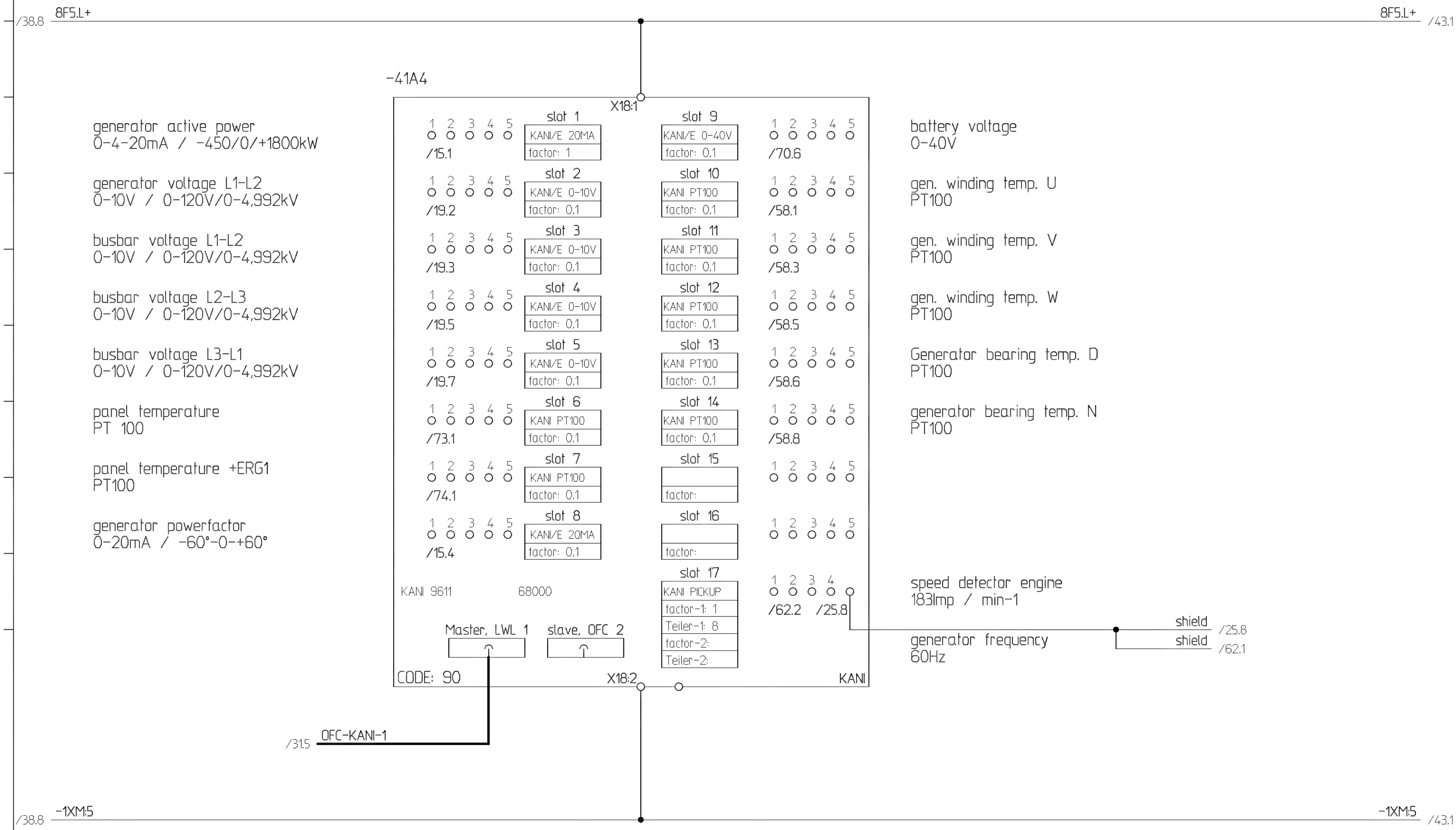
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

KMA analog intrface 1

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 41 / 76 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name	Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

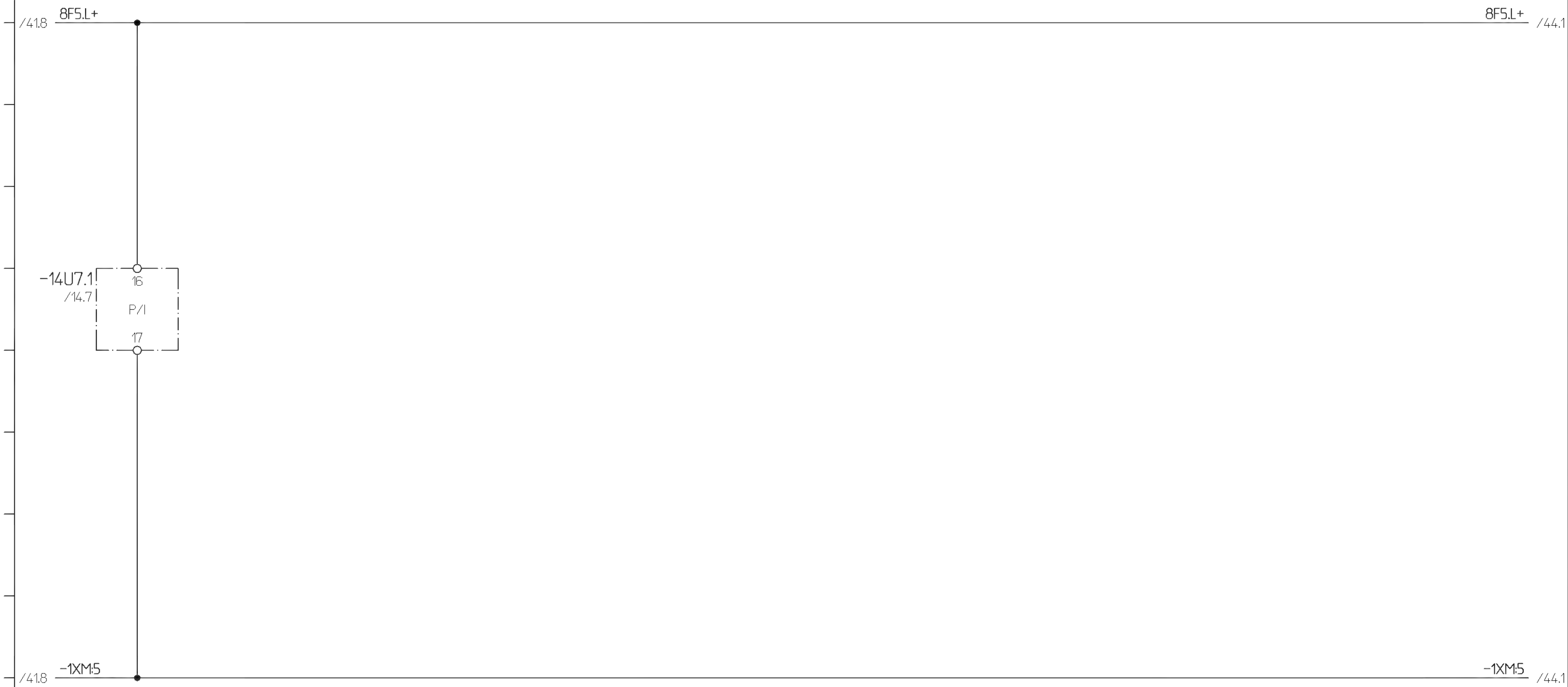
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

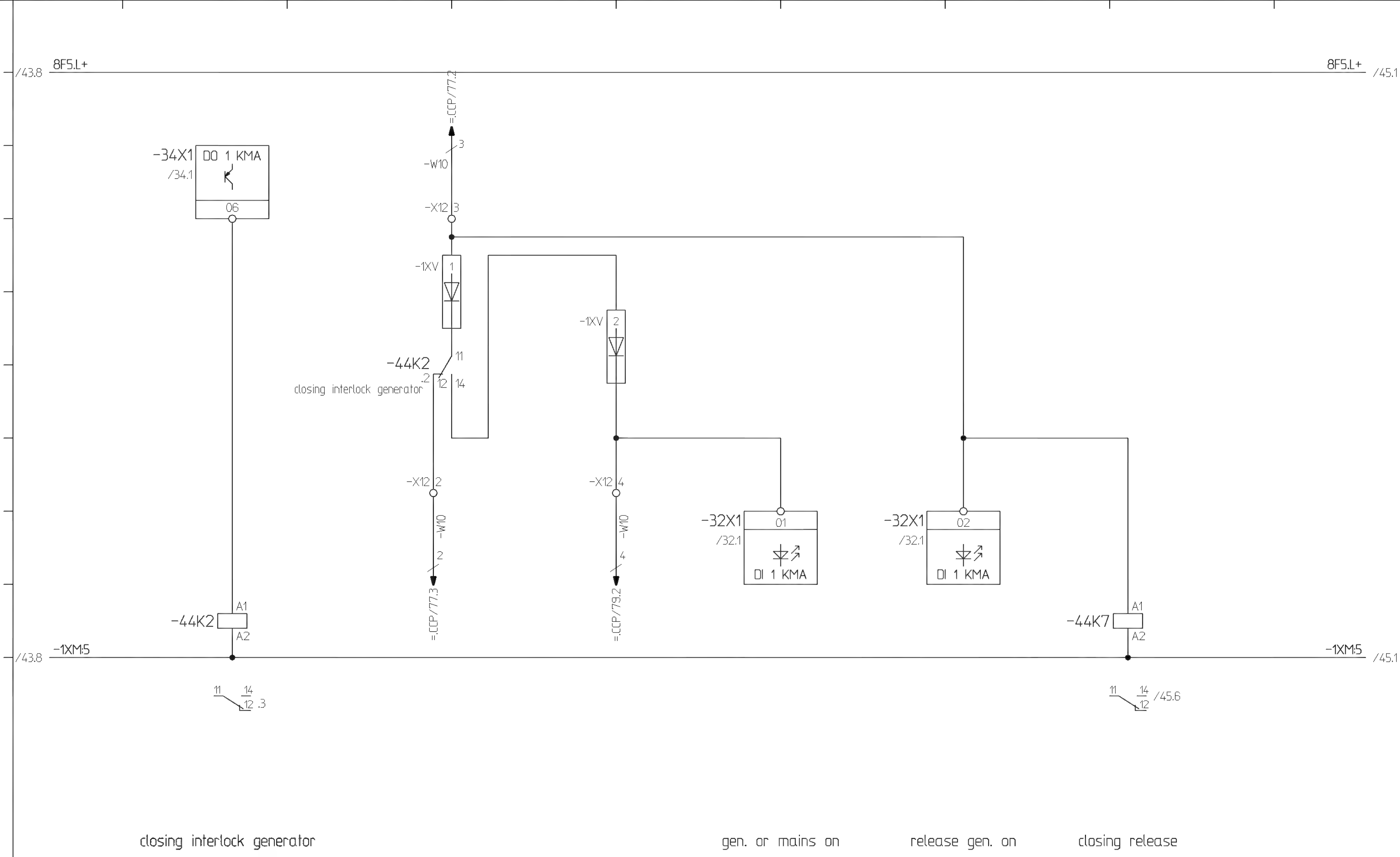
=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

power supply for converter

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann				43730	437300
				Check	A. Stellmann	Orig. / Ers.f.	Ers.d. 11.09.03			page 43
				Norm	33					76 BL



Bildbeschreibung IMAGE DESCRIPTION: closing interlock generator c.b.

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

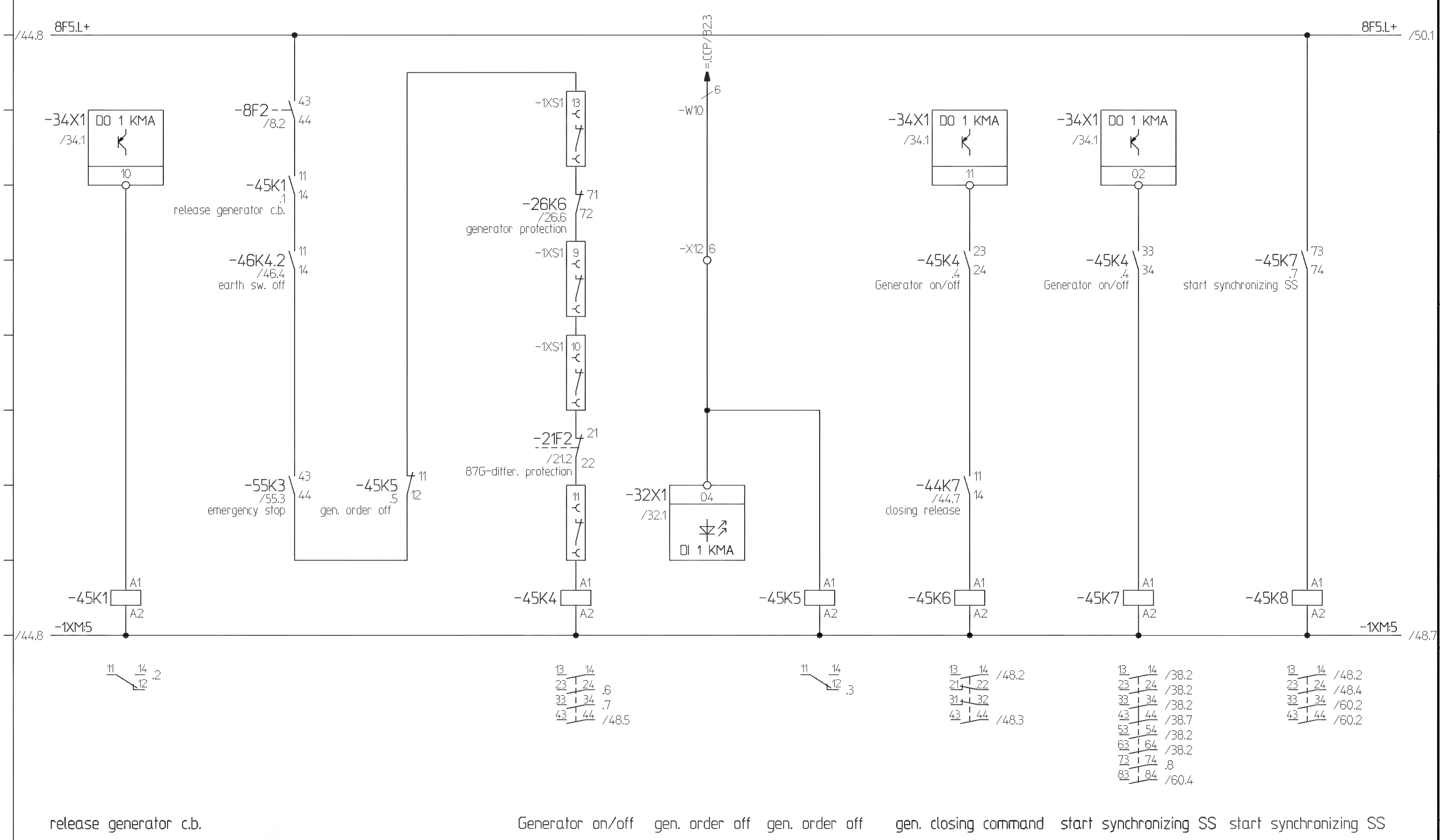
Elektrim-MEGADEX
Monde Energy Philippines
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501
43730 | 437300

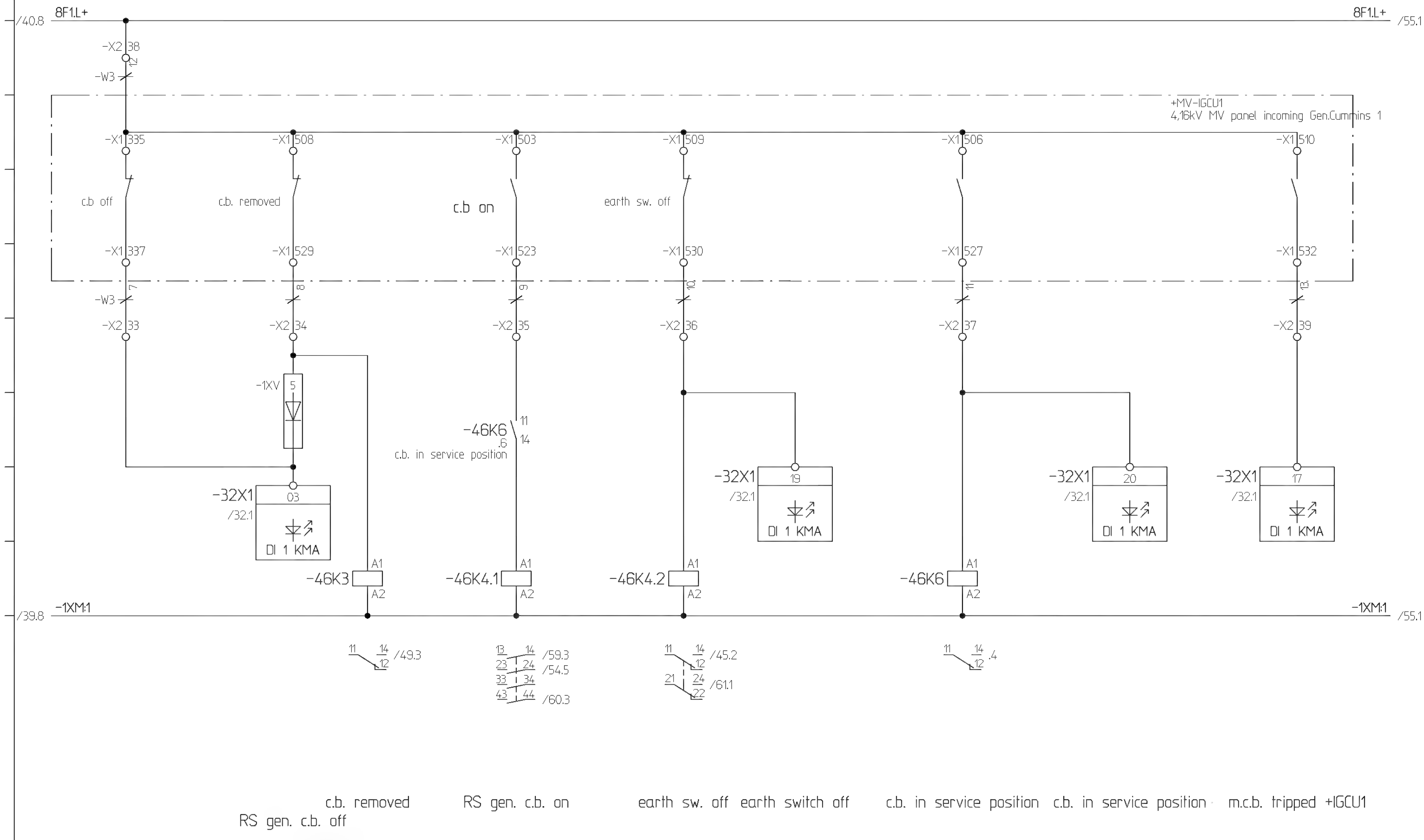
=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

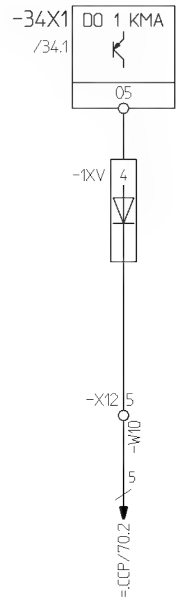
generator c.b. control

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPU1
				Desig.	A. Stellmann					
				Check	A. Stellmann					
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03		43730 / 437300	page 45 / 76 BL



Bildbeschreibung IMAGE DESCRIPTION: generator c.b. reply signals

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 46
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



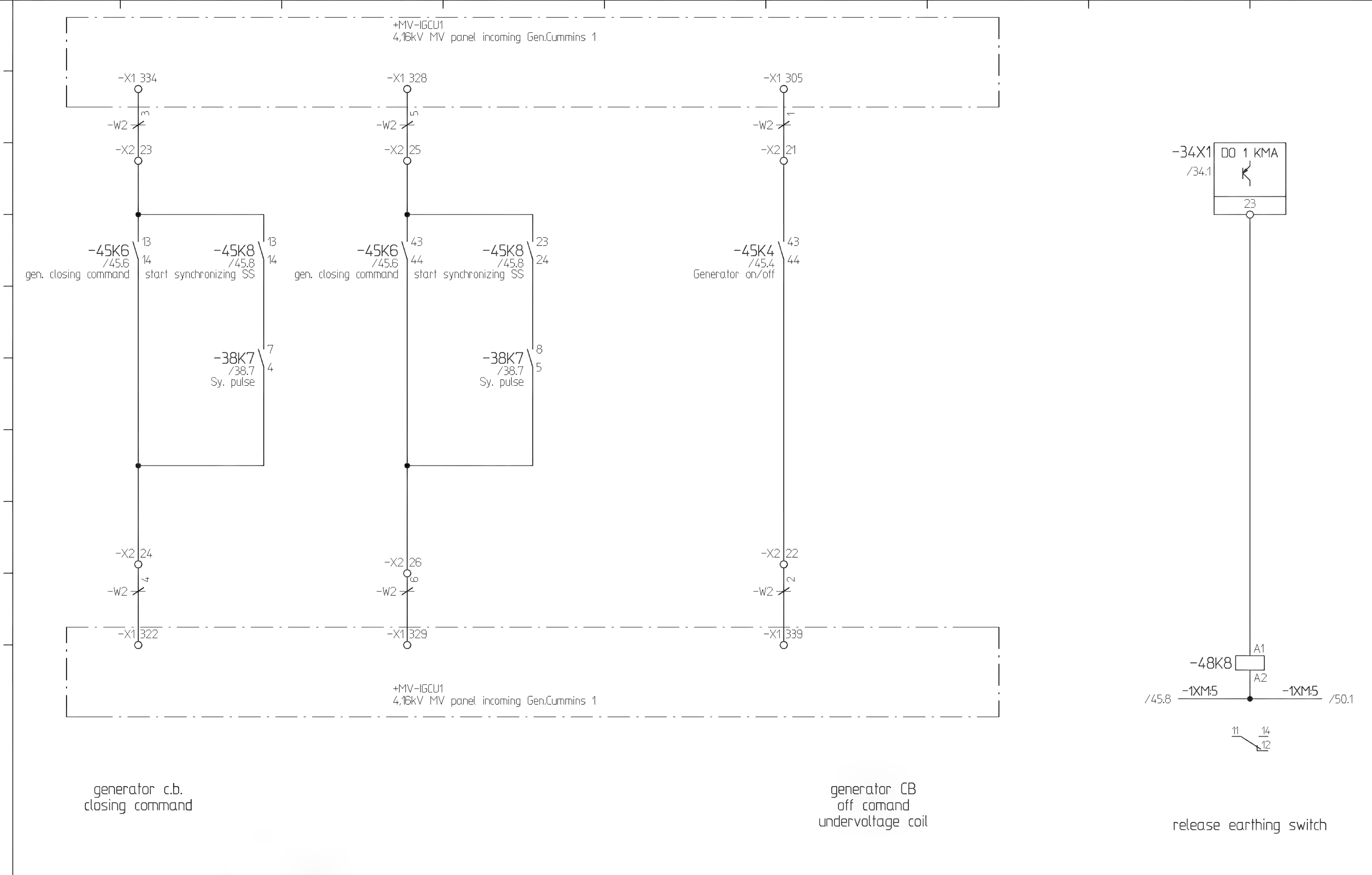
coupling c.b. forced off

Bildbeschreibung
IMAGE DESCRIPTION

generator c.b. reply signals

Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
Check	A. Stellmann			Generator control panel Cummins 1	43730	437300
Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 47 / 76 BL

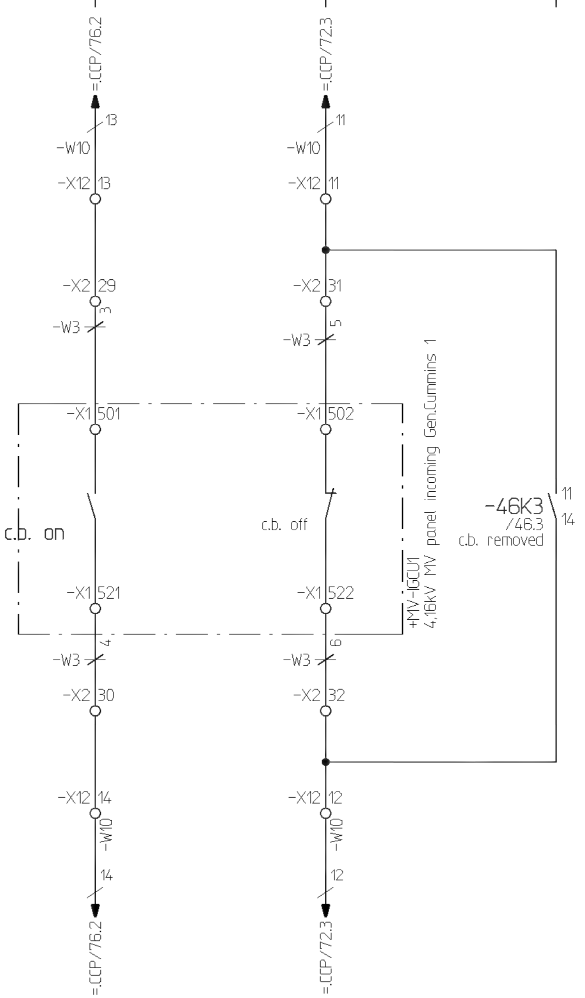
Index	changing	Date	name



Bildbeschreibung
IMAGE DESCRIPTION

generator c.b. control system

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann			Generator control panel Cummins 1	43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 48 / 76 BL



Gen. c.b. on

Gen. c.b. off

Bildbeschreibung IMAGE DESCRIPTION: generator reply signals to +CCP

Index	changing	Date	name	Norm	33	Orig.	Ersf.	Ersd. 11.09.03
				Date	08.07.03			
				Desig.	A. Stellmann			
				Check	A. Stellmann			

Elektrim-MEGADEX
Monde Energy Philippines

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1

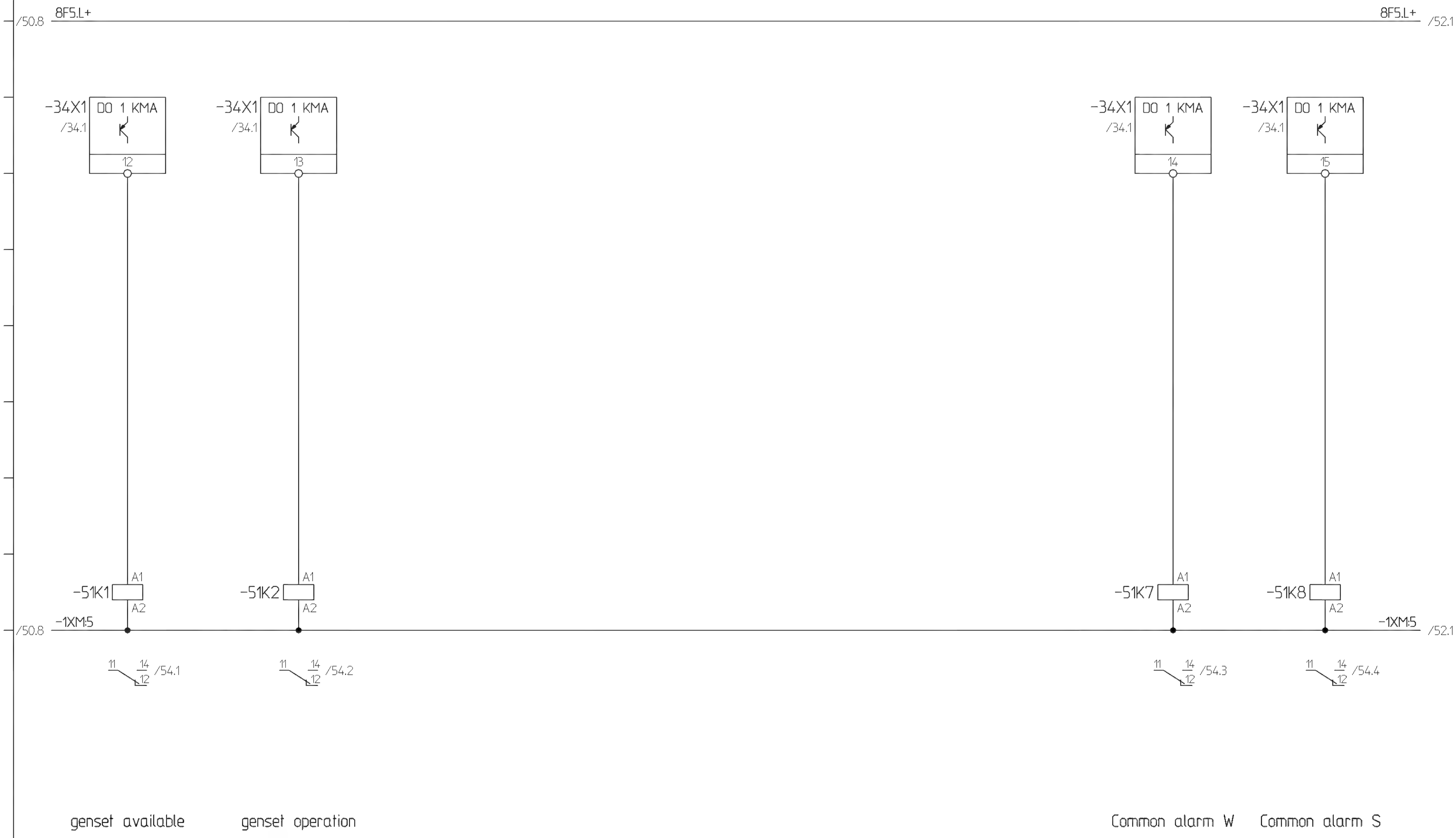


Release automatic start from +CCP

Start gen. with fixed value

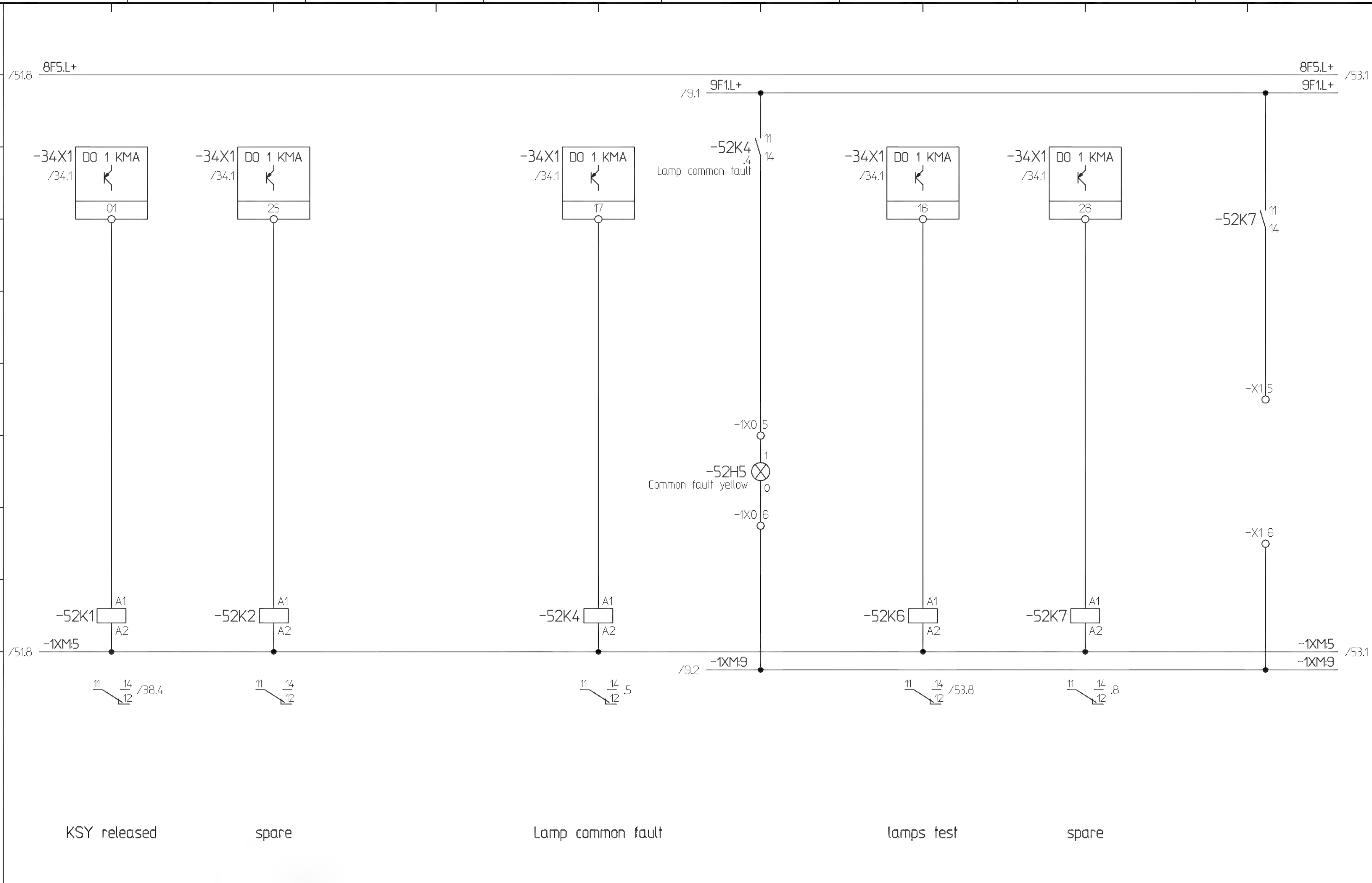
Bildbeschreibung
IMAGE DESCRIPTION control

		Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
		Desig.	A. Stellmann					
		Check	A. Stellmann				43730	437300
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03		page 50 / 76 Bl.



Bildbeschreibung IMAGE DESCRIPTION: control outputs

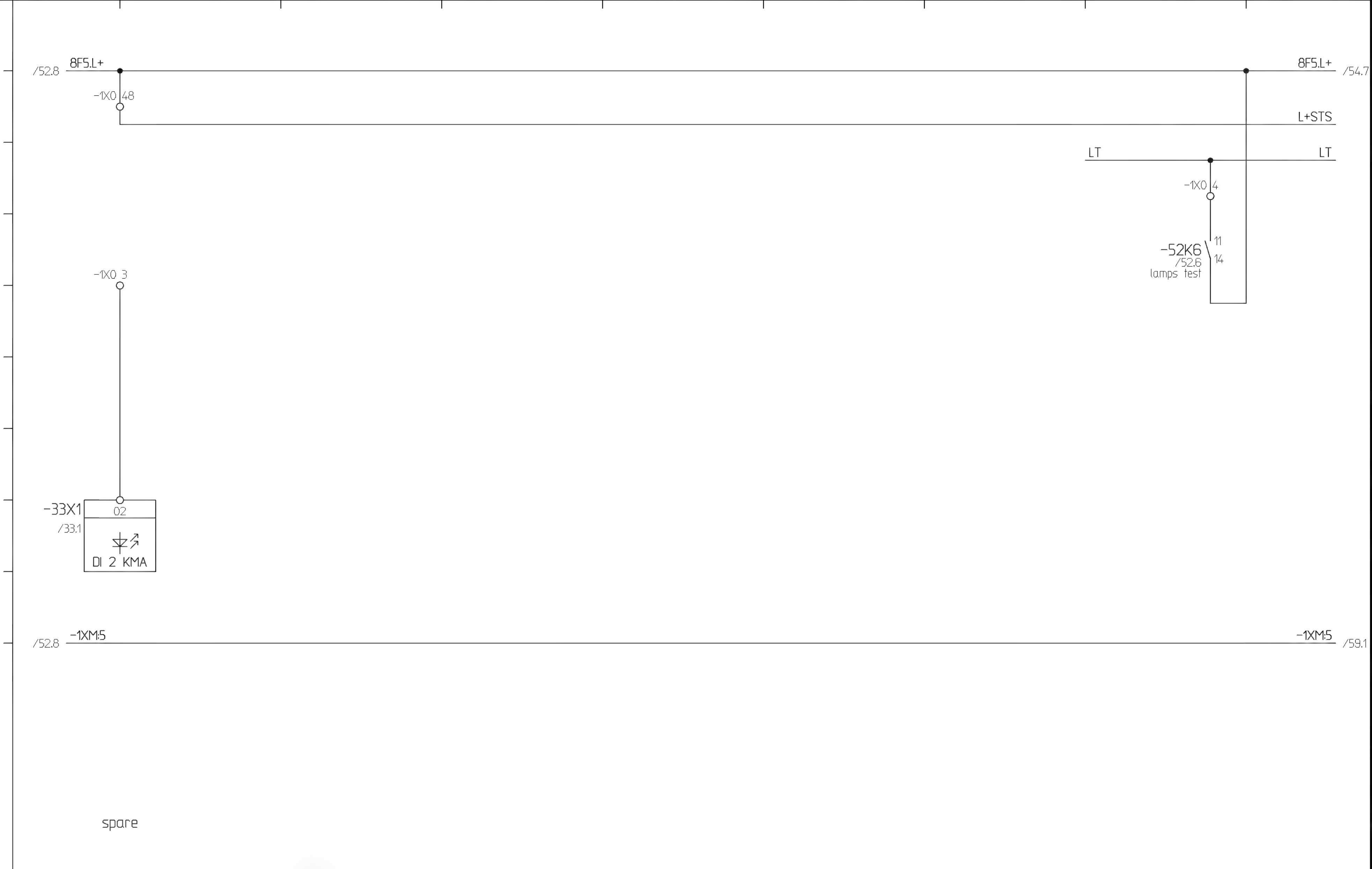
Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 51 / 76 BL



Bildbeschreibung
IMAGE DESCRIPTION

control outputs

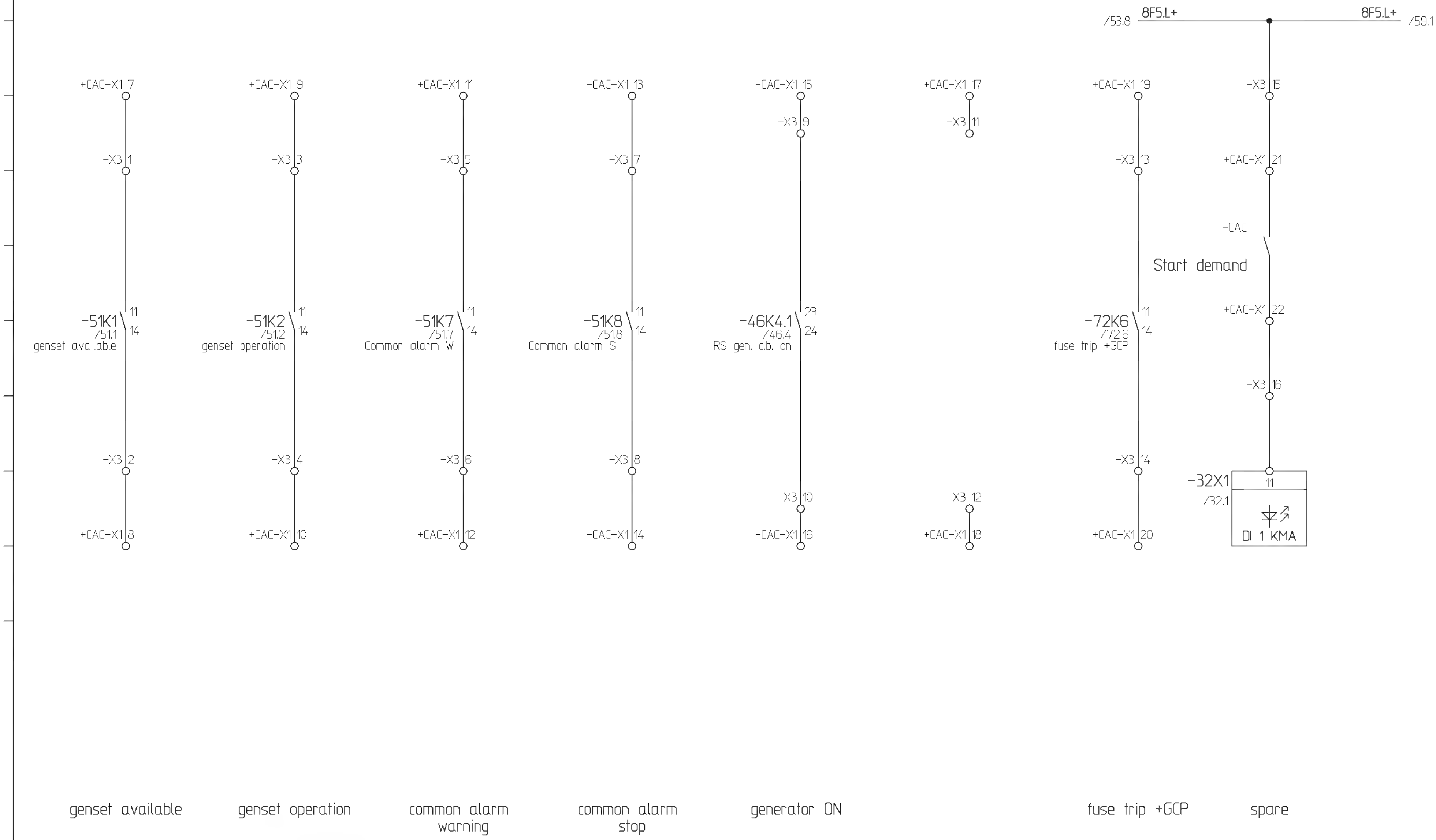
Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 52
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



Bildbeschreibung
IMAGE DESCRIPTION
contr. switch

Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP	
Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1	
Check	A. Stellmann			Generator control panel Cummins 1	43730	437300	page 53
Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03			76 BL

Index | changing | Date | name



Bildbeschreibung IMAGE DESCRIPTION: CAC signals voltage-free

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

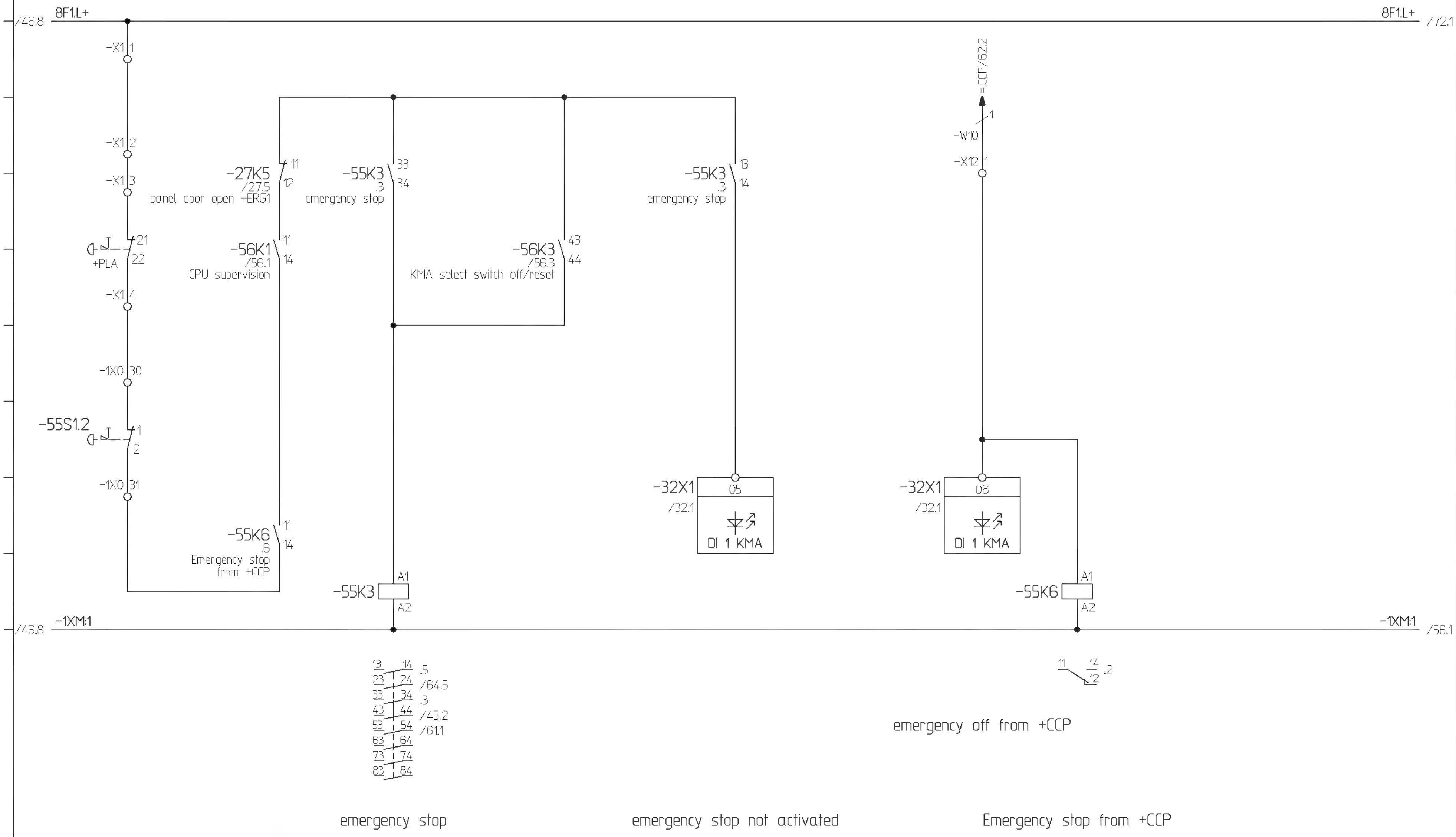
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: genset emerg.stop

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | Ers.d. 11.09.03

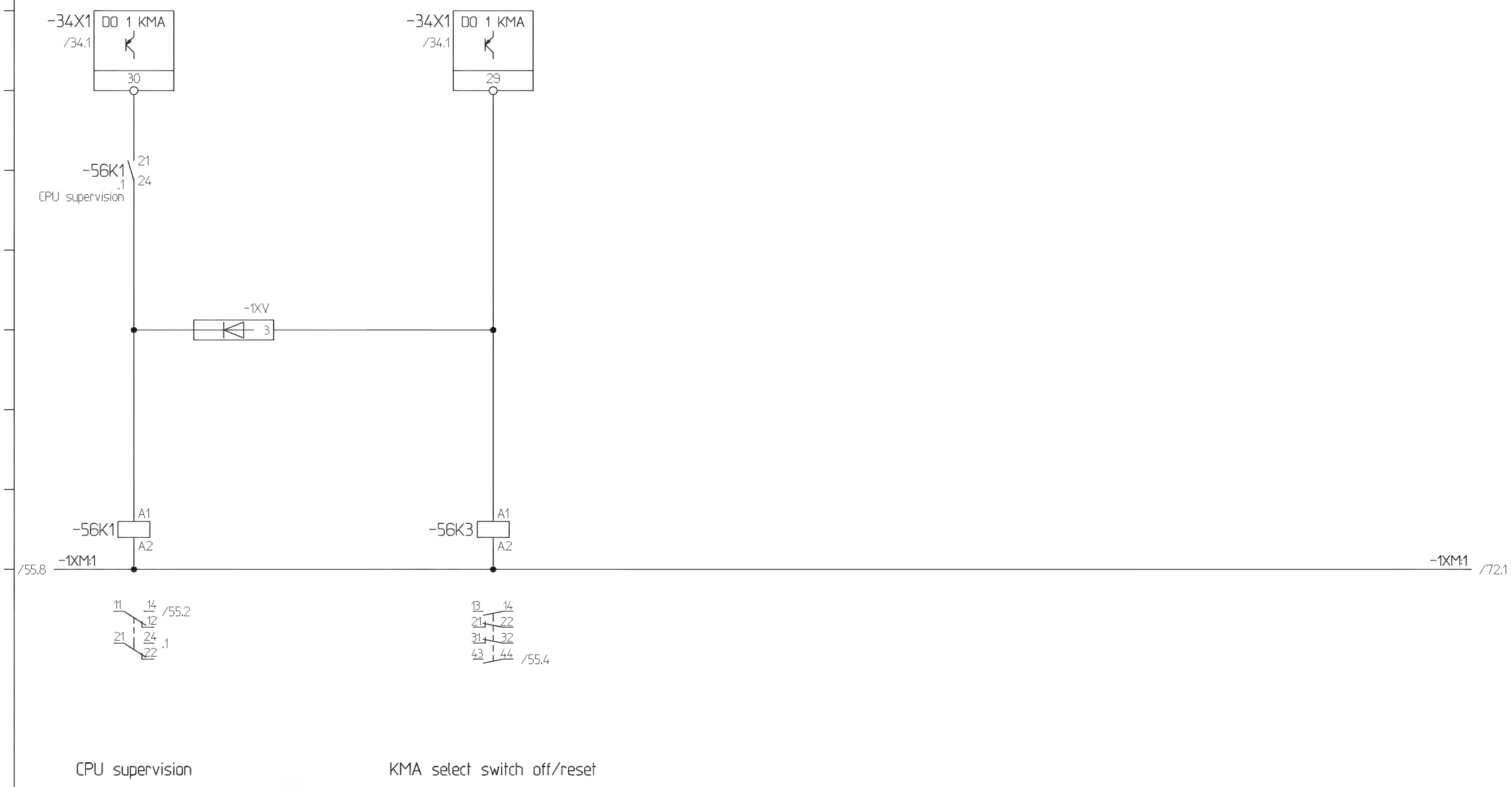
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

CPU supervision

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. Ers.f. Ers.d. 11.09.03

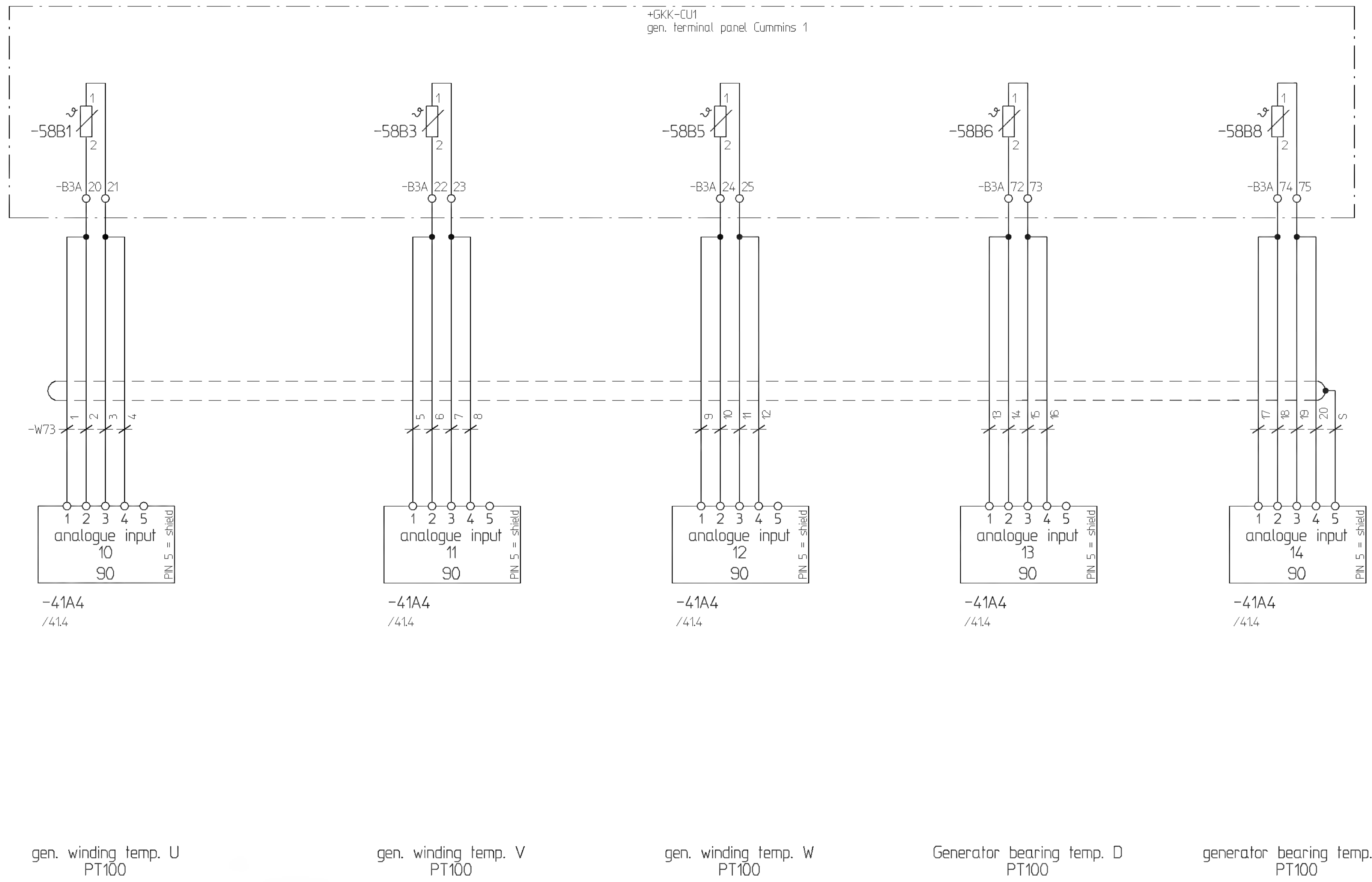
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 437300

=DPP
+GCPCU1

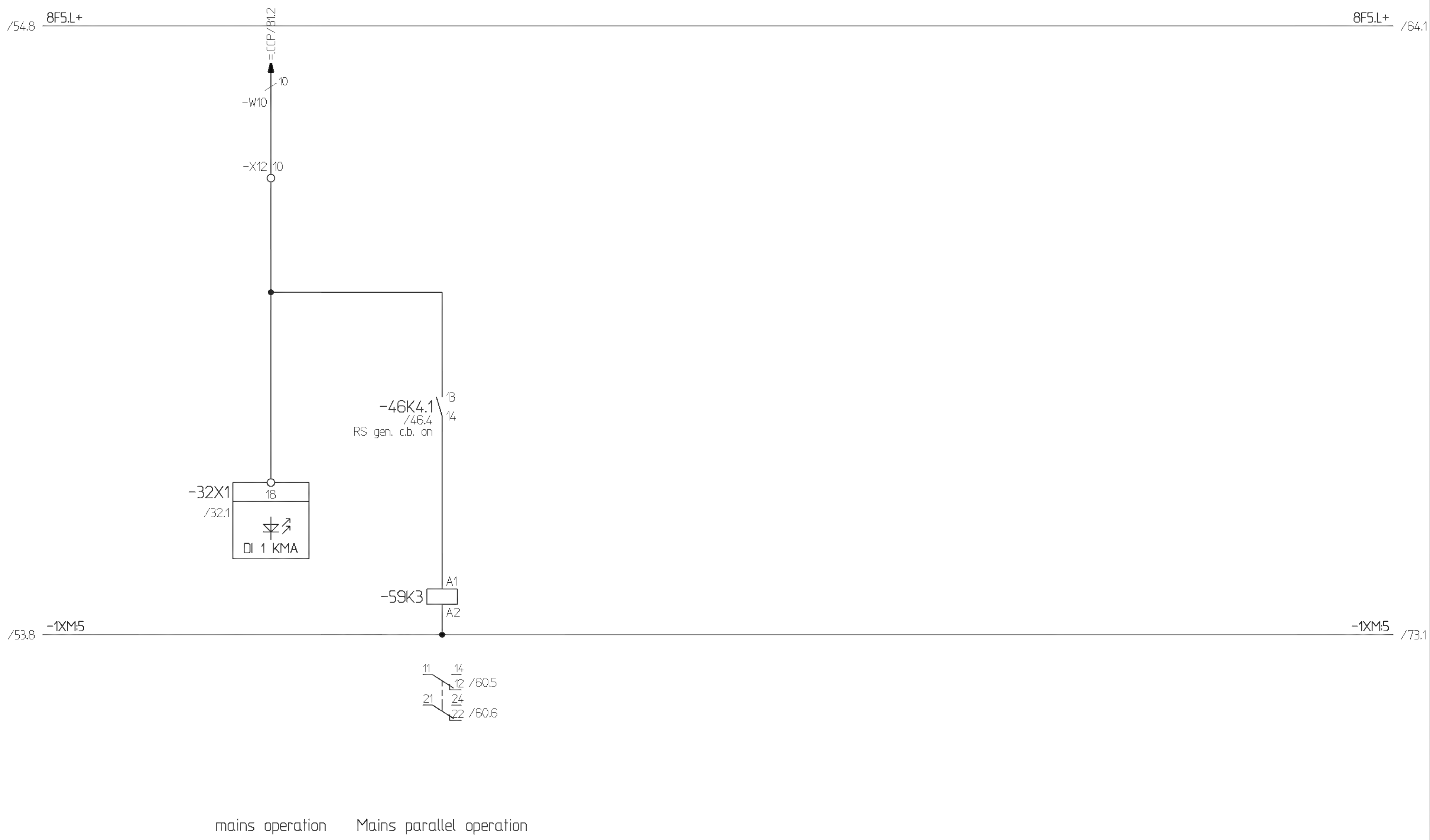


Bildbeschreibung
IMAGE DESCRIPTION

analogue sensor generator

Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
Desig.	A. Stellmann					
Check	A. Stellmann				43730 / 437300	page 58 / 76 BL
Norm	33	Orig. / Ersf.	Ersd. 11.09.03			

Index | changing | Date | name

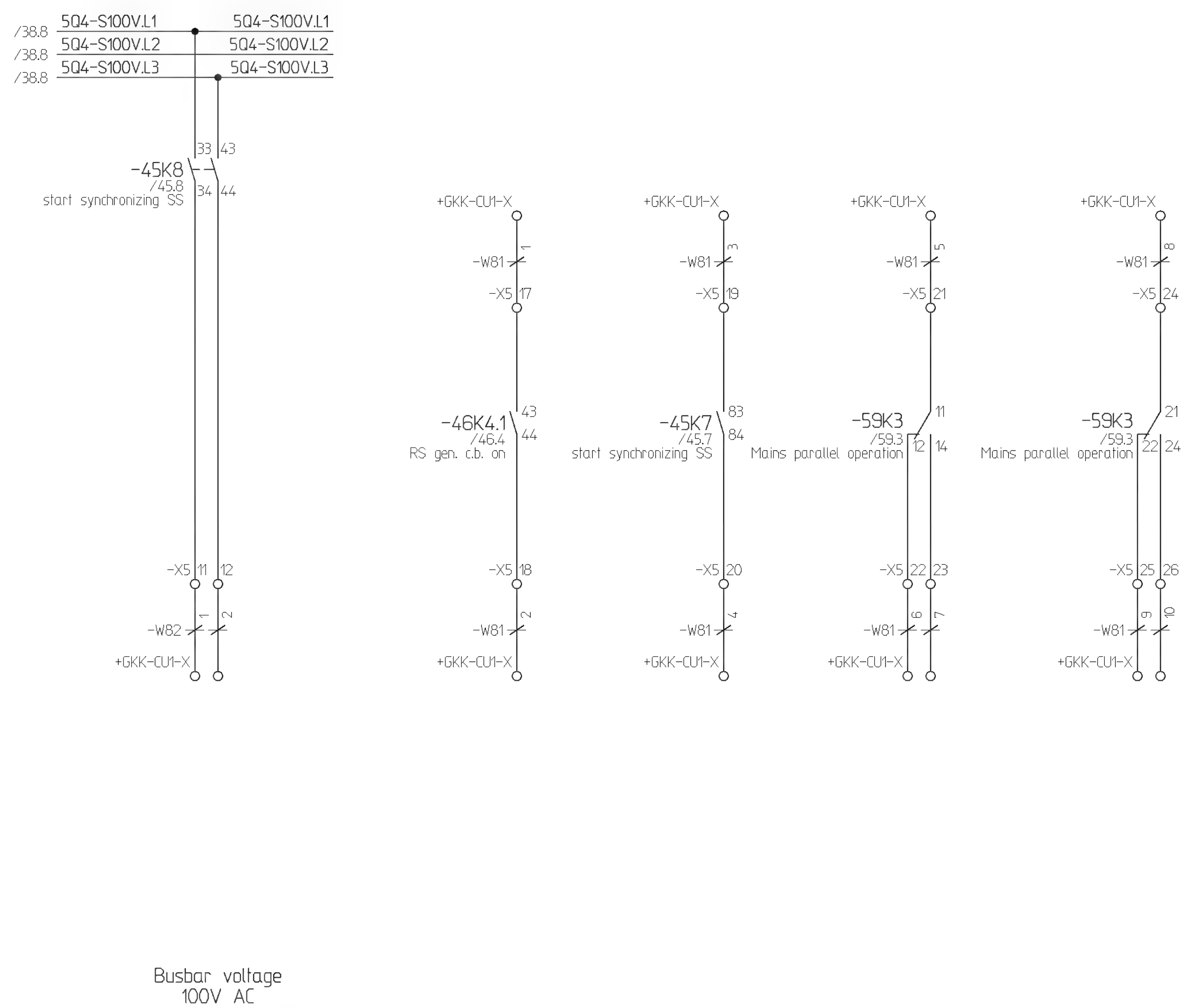


Bildbeschreibung
IMAGE DESCRIPTION

mains operat.,cos phi control.enabled

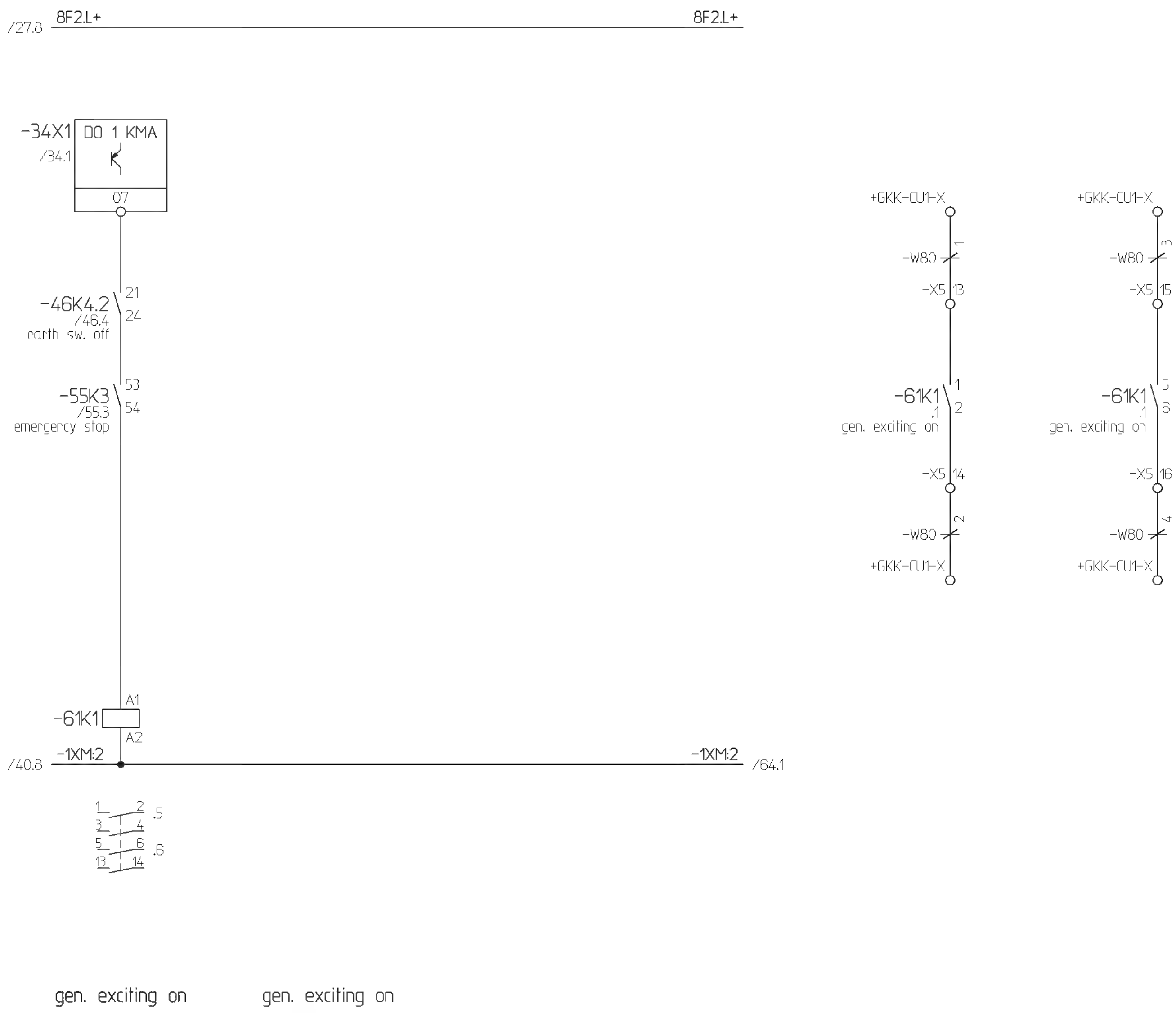
			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1
			Desig.	A. Stellmann			4500005501
			Check	A. Stellmann			43730
Index	changing	Date	name	Norm	33	Orig.	Ers.f.
						Ers.d.	11.09.03

=DPP
+GCPCU1
437300



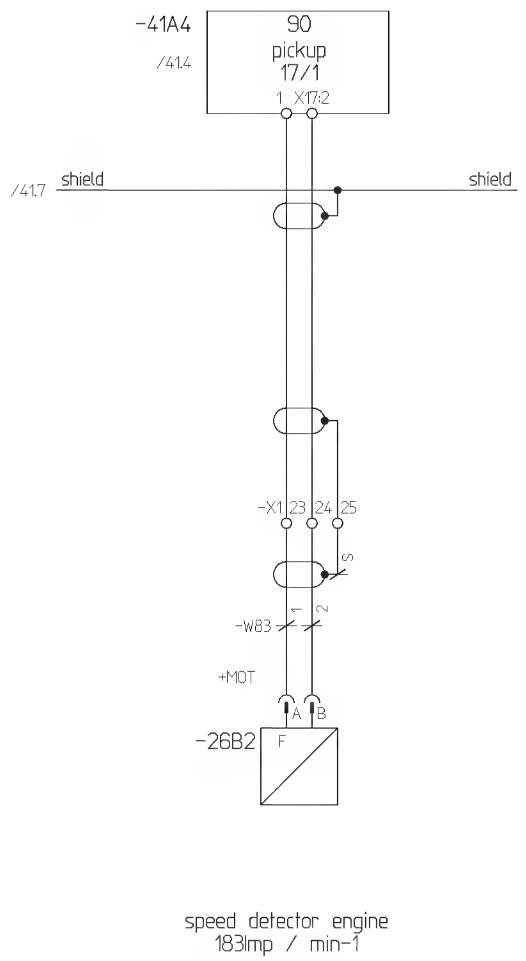
Bildbeschreibung / IMAGE DESCRIPTION: Control voltage regulator

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 60
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



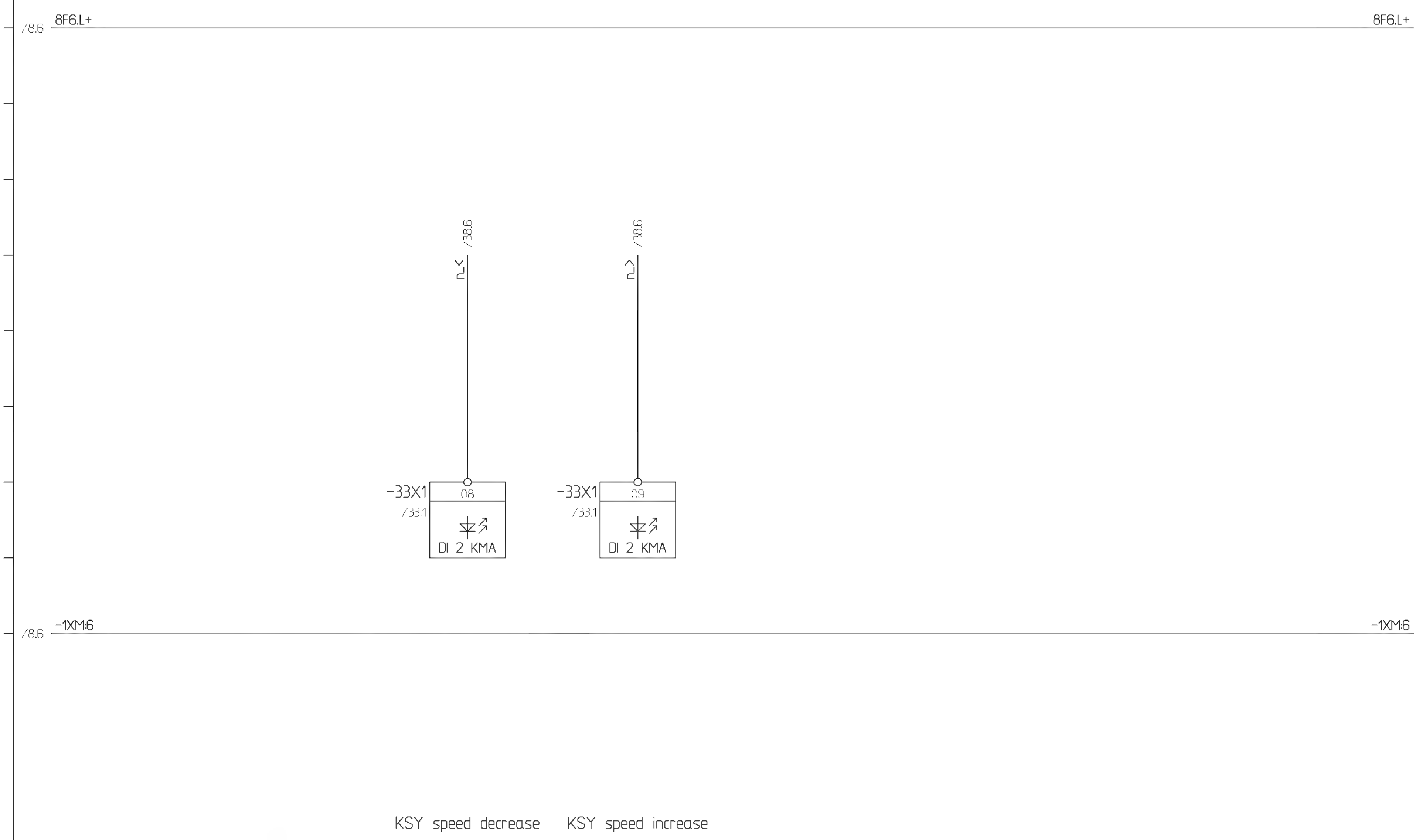
Bildbeschreibung IMAGE DESCRIPTION: gen. excitation control

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann			Generator control panel Cummins 1	43730	437300
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 61 / 76 BL



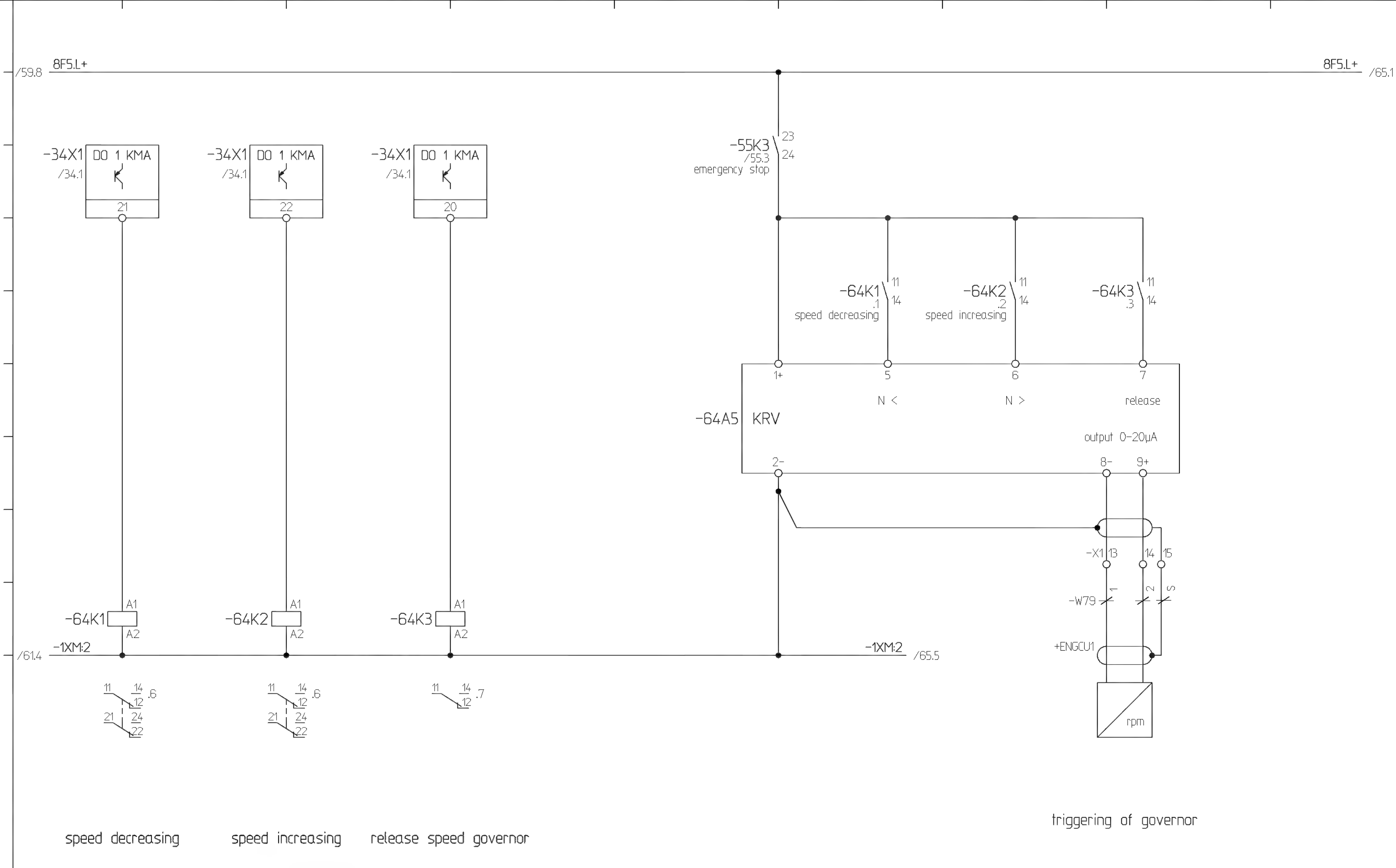
Bildbeschreibung IMAGE DESCRIPTION	speed monitoring engine

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 62 / 76 BL
				Norm	33	Orig. / Ersf.	Ers.d. 11.09.03			



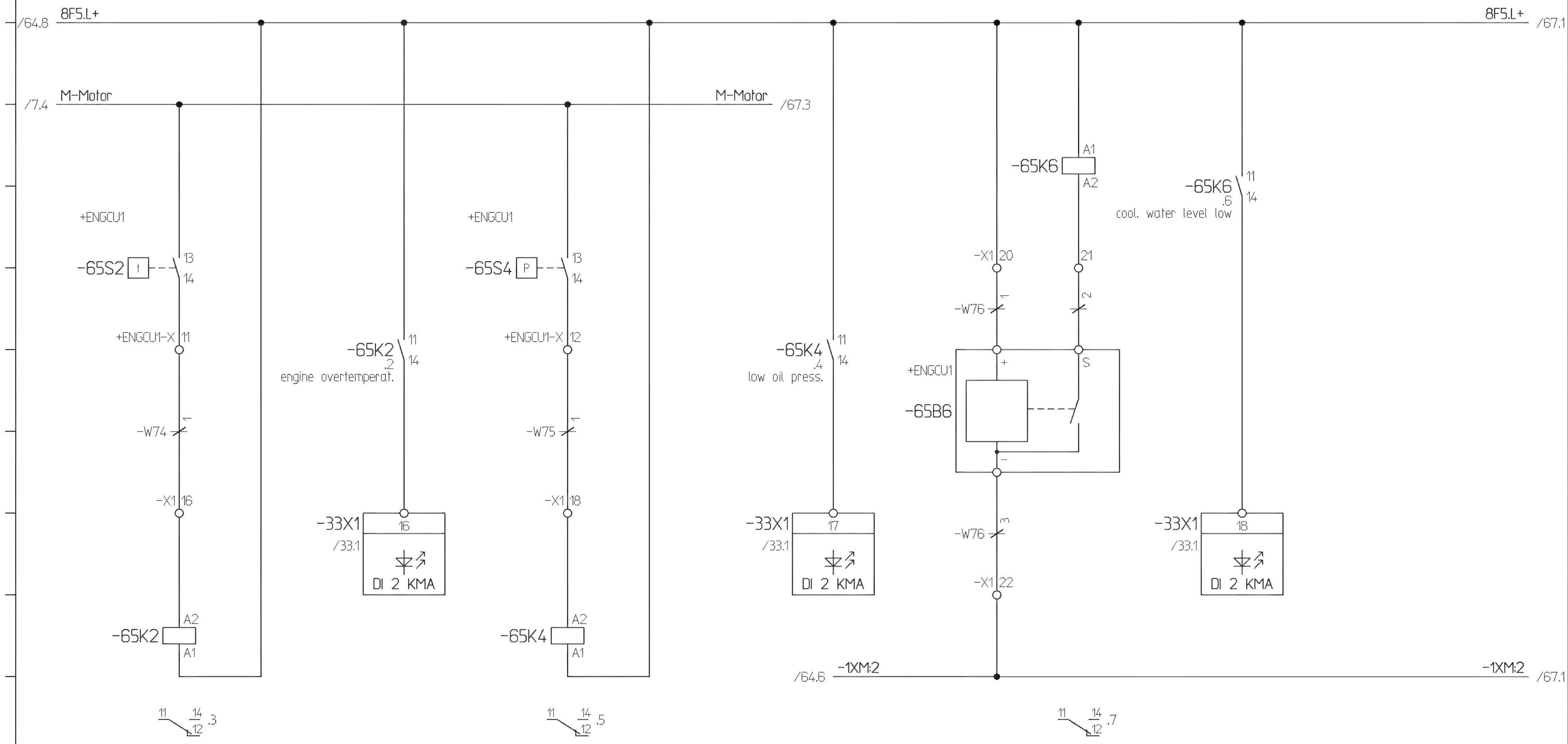
Bildbeschreibung
IMAGE DESCRIPTION
speed control system

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 63
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



Bildbeschreibung IMAGE DESCRIPTION: speed adjusting

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPU1
			Desig.	A. Stellmann					
			Check	A. Stellmann				43730	437300
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03		page 64 / 76 BL



engine overtemperat. | engine overtemperat. | low oil press. | lube oil press. min | cool. water level low | cool. water level low

Bildbeschreibung IMAGE DESCRIPTION: digital encoder motor

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 65
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 Bl.

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

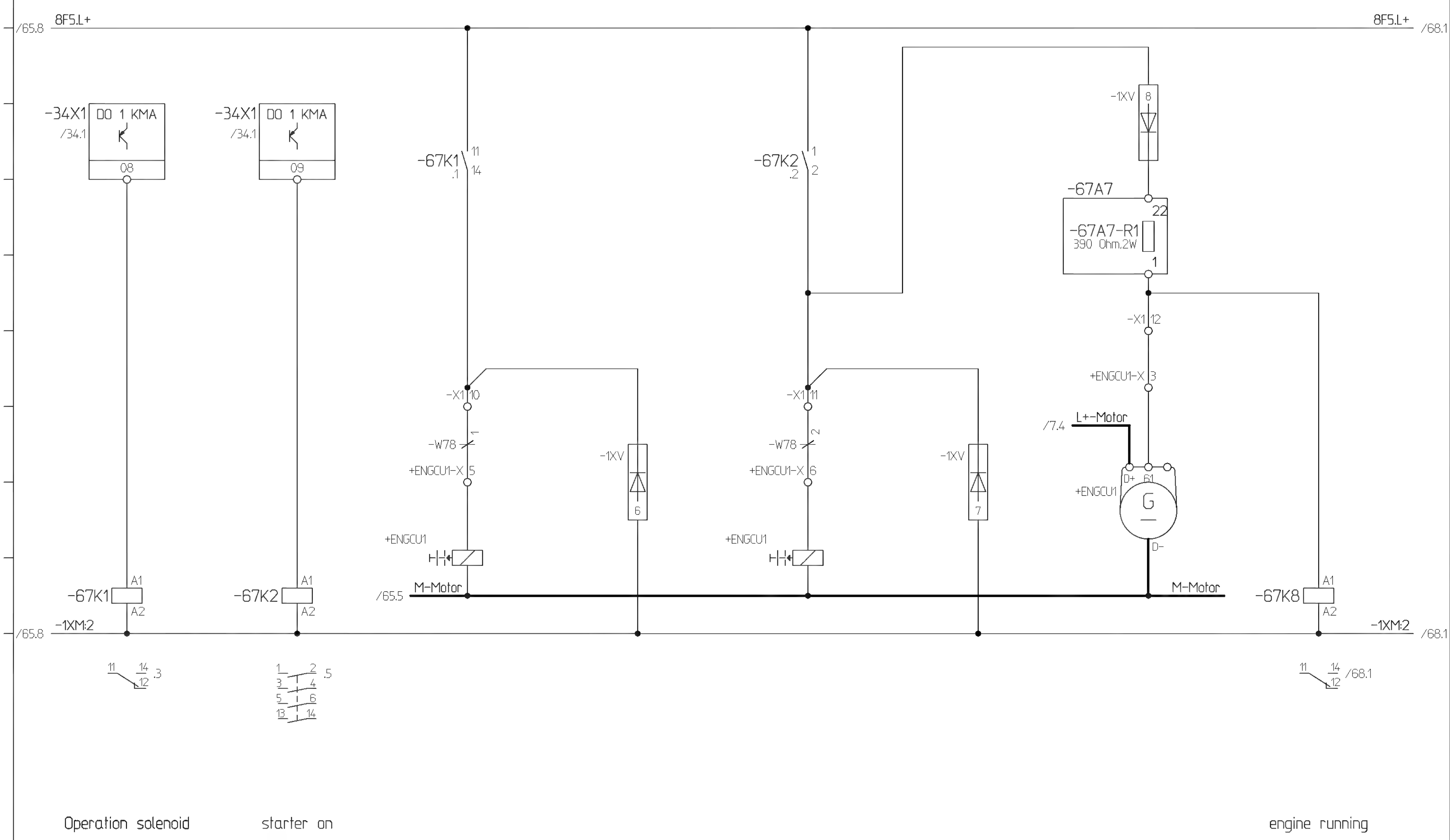
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: control engine

Index	changing	Date	name	Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | Ers.d. 11.09.03

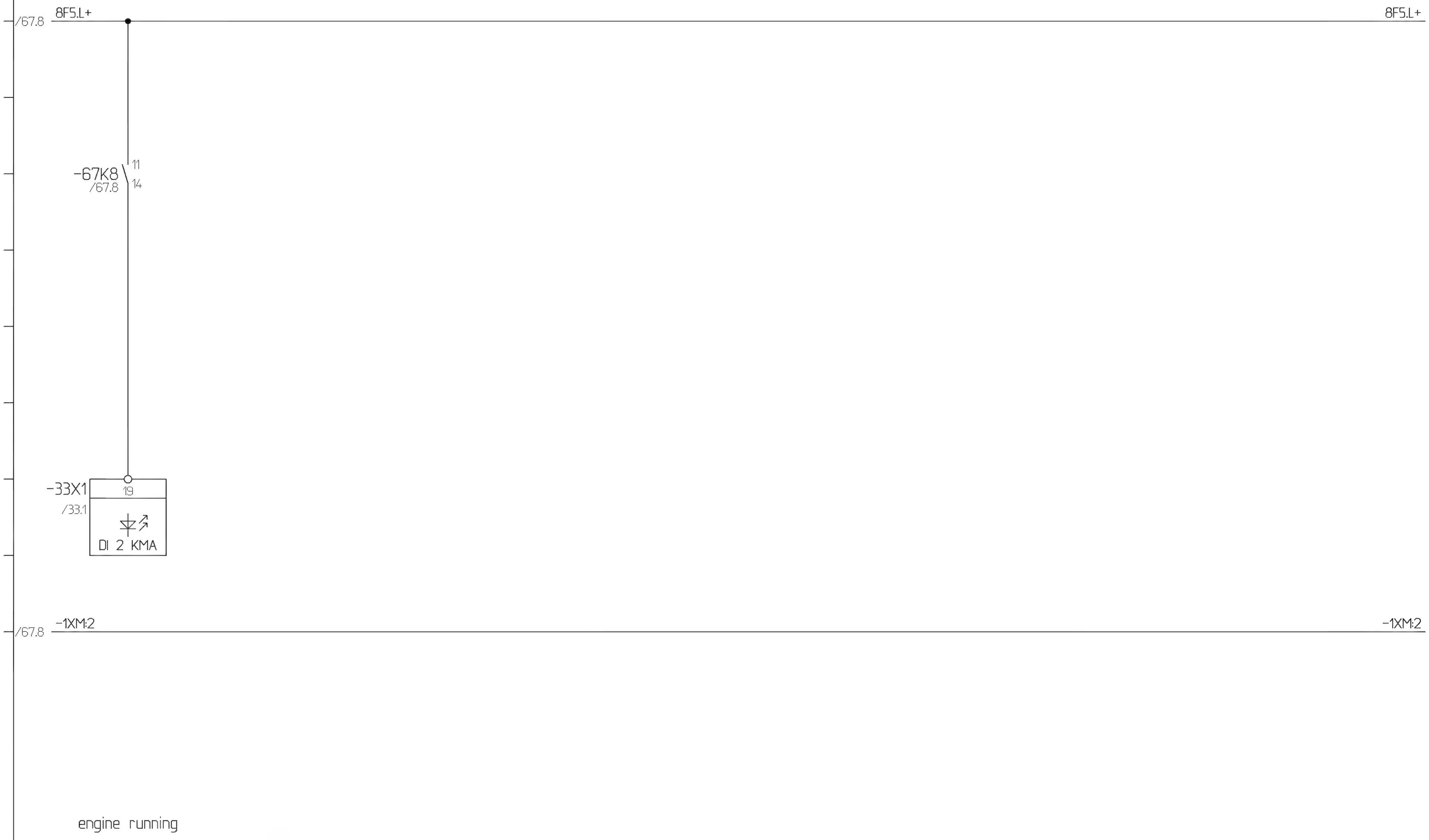
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung
IMAGE DESCRIPTION

control engine

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann				43730	437300
				Check	A. Stellmann					page 68
				Norm	33	Orig. / Ersf.	Ersd. 11.09.03			76 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

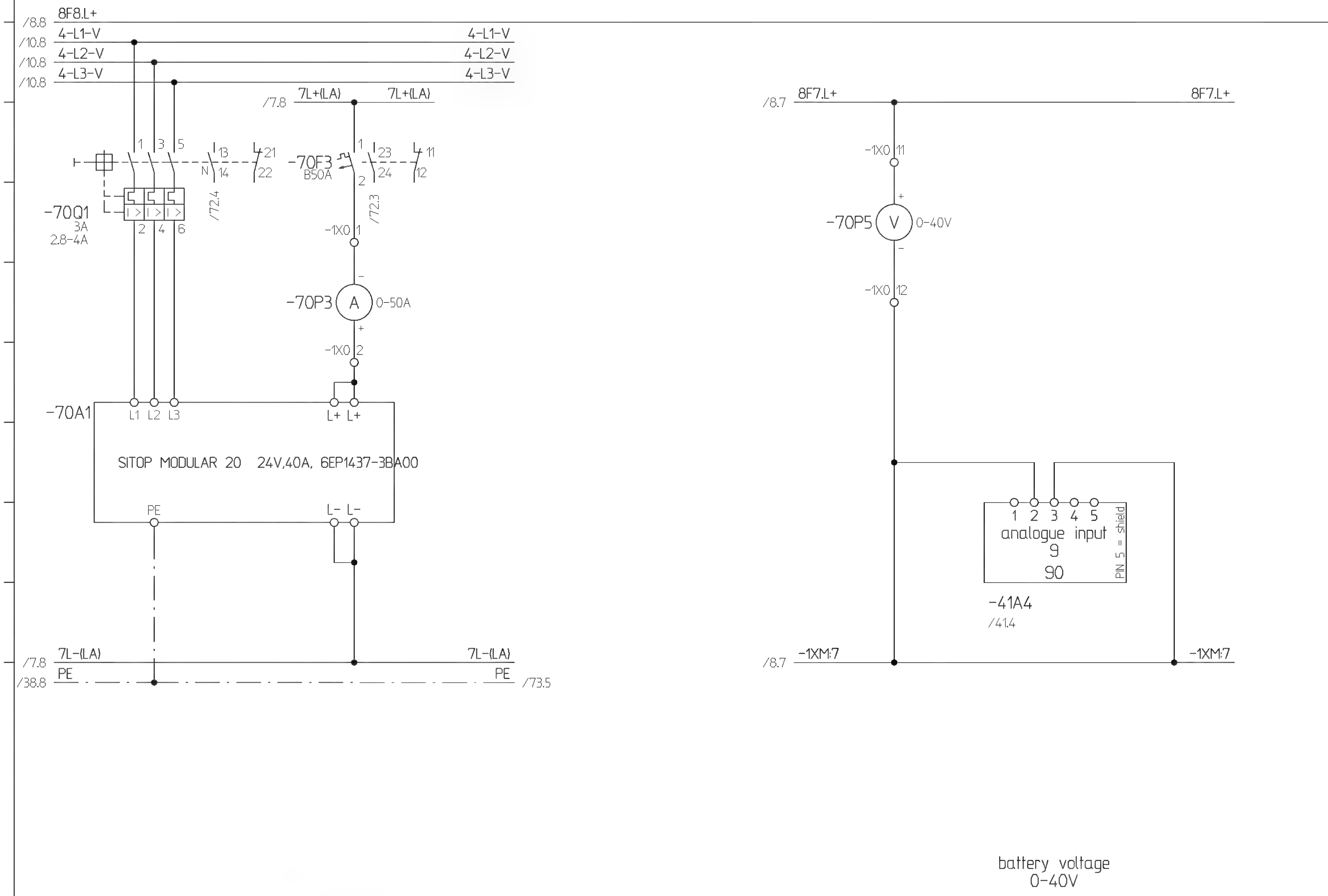
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: Battery charger

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Cummins 1	4500005501	=DPP +GCPCU1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 70 / 76 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name			
				Date	08.07.03	
				Desig.	A. Stellmann	
				Check	A. Stellmann	
				Norm	33	

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

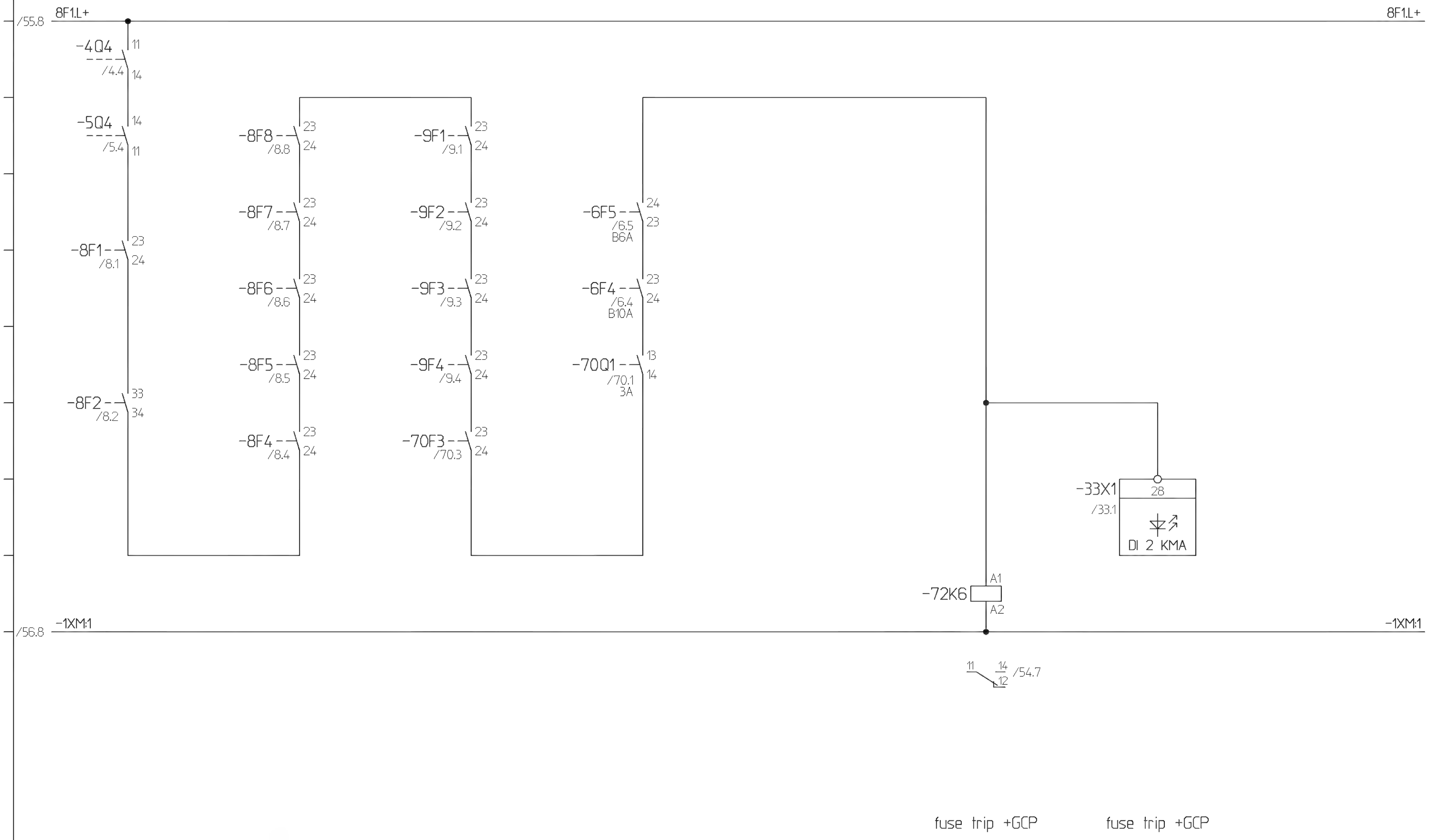
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

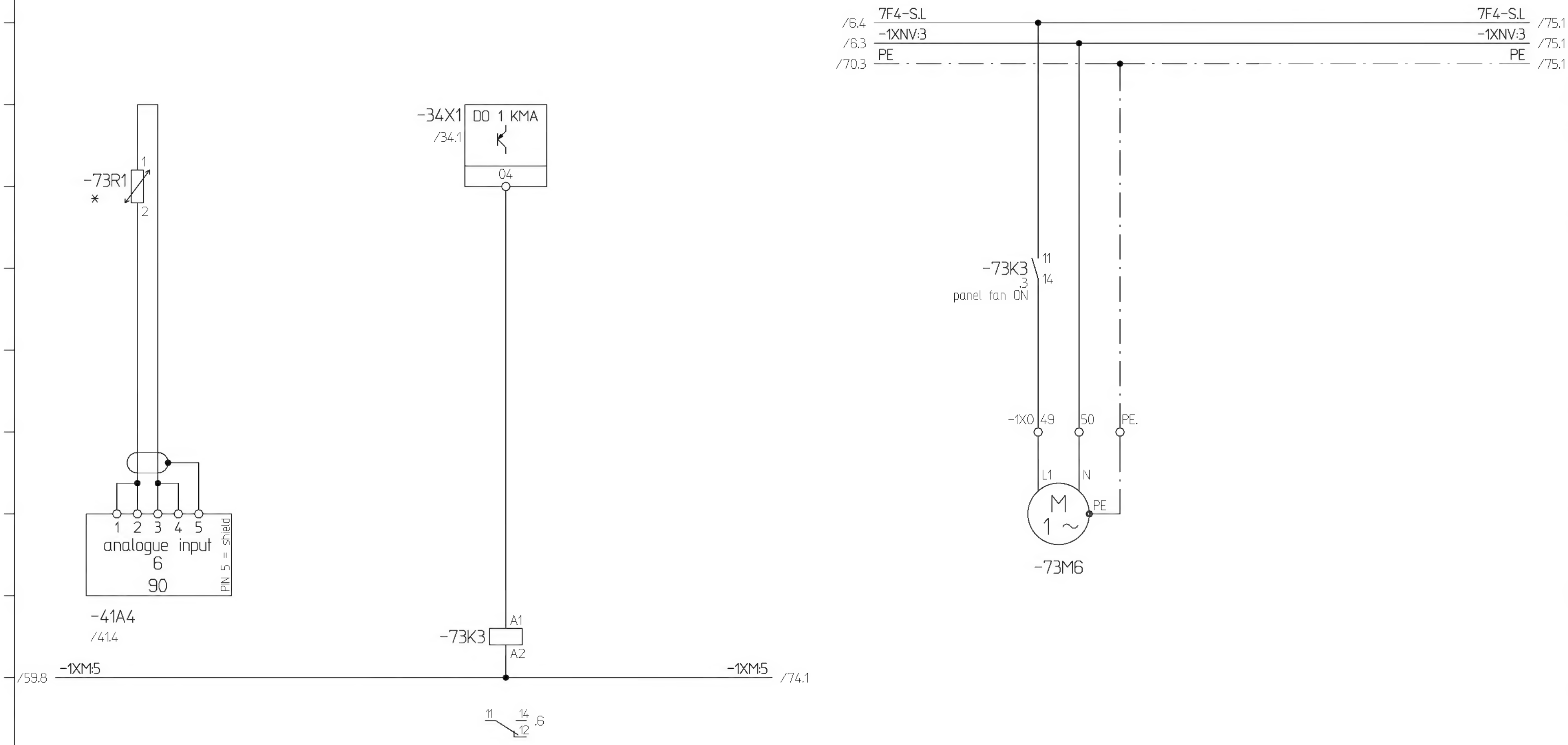
43730 | 437300

=DPP
+GCPCU1



Bildbeschreibung IMAGE DESCRIPTION: fuse monitoring GCP

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 72
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



panel temperature
PT 100

* location "above"

panel fan ON

Bildbeschreibung
IMAGE DESCRIPTION

panel temperature control system

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | Ers.d. 11.09.03

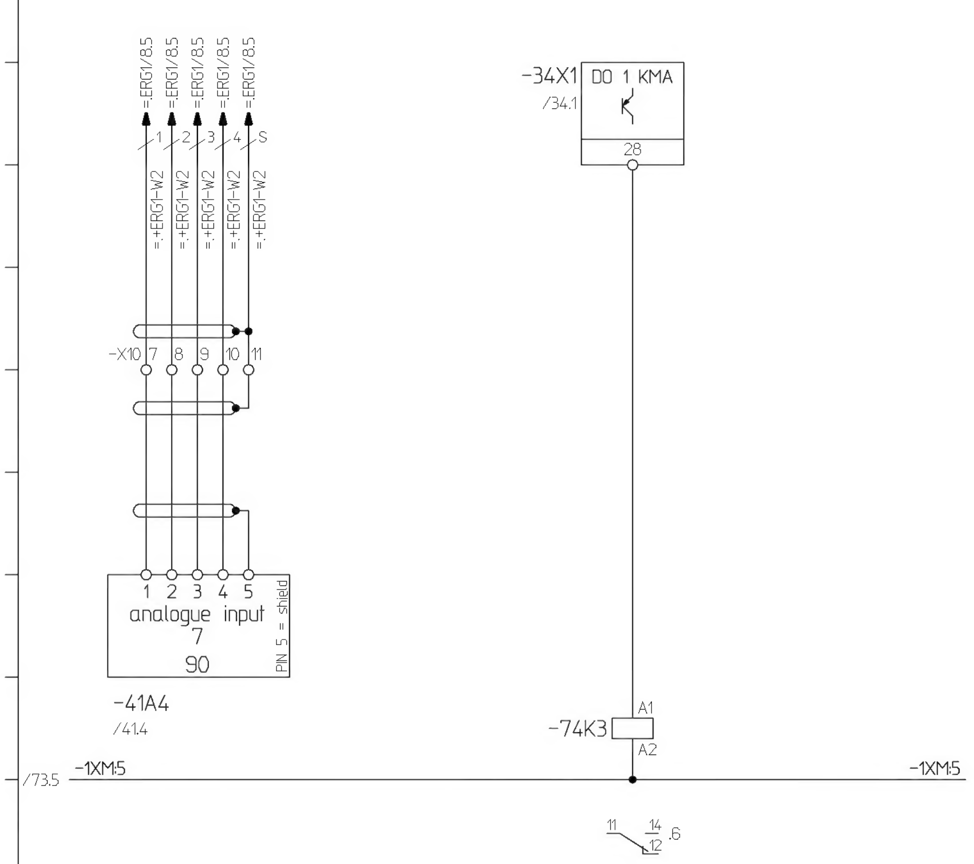
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1

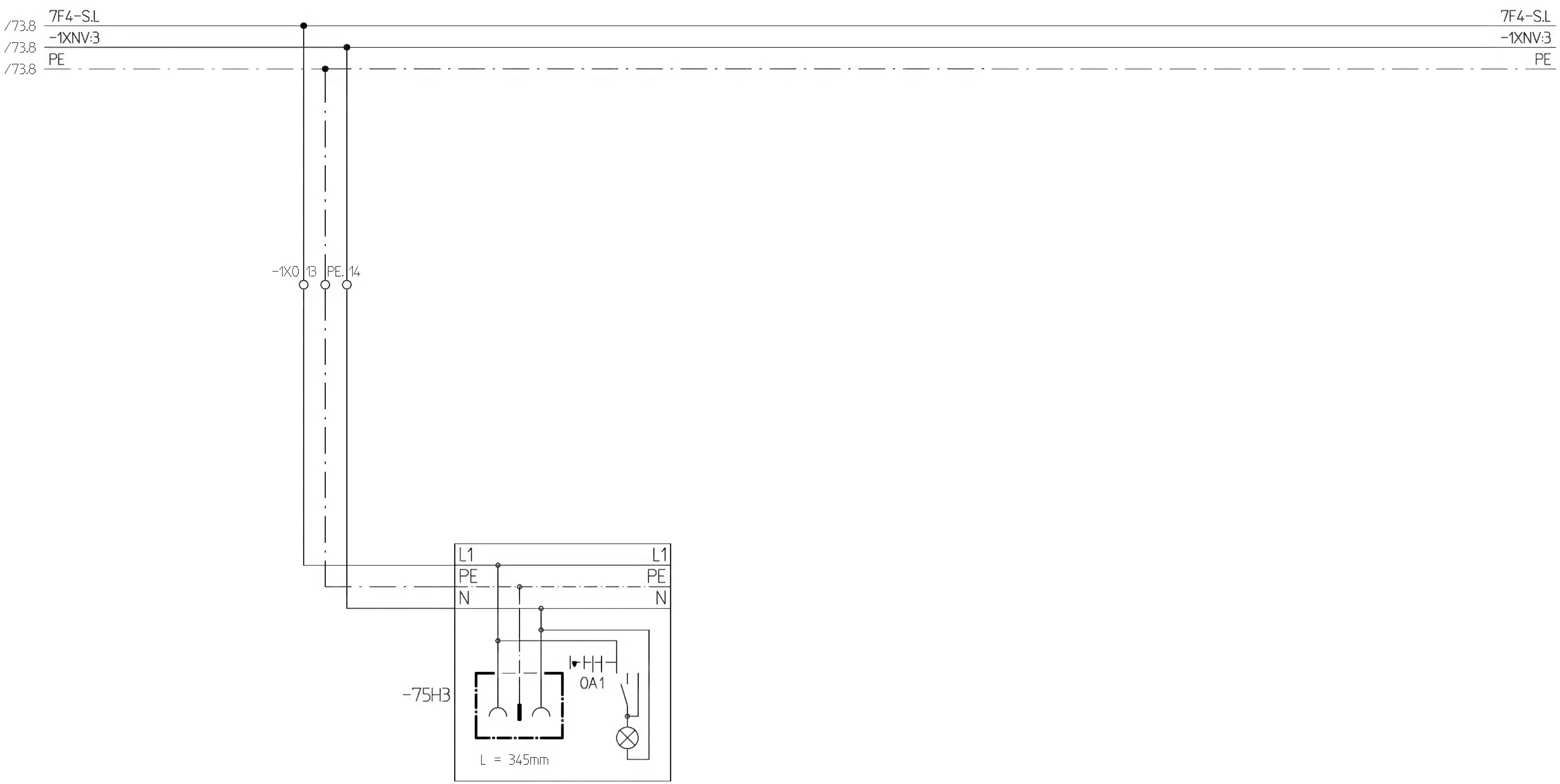


panel temperature +ERG1
PT100

Panel fan +ERG1 on

Bildbeschreibung IMAGE DESCRIPTION	panel temperature +ERG1

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP
				Desig.	A. Stellmann					+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 74
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL



Bildbeschreibung IMAGE DESCRIPTION: switchboard light

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Cummins 1

4500005501

43730 | 437300

=DPP
+GCPCU1

Bildbeschreibung
IMAGE DESCRIPTION

spare

				Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPCU1
				Check	A. Stellmann			Generator control panel Cummins 1	43730 / 437300	page 76
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			76 BL